

L2 0 S RHOPLEX AC33  
 L3 411 S RHOPLEX  
 L4 253 S ACRYLOID  
 L5 7 S L3 AND L4  
 L6 1 S 9010-88-2/RN  
 E ISODODECANE  
 L7 9 S ISODODECANE  
 L8 1 S 97659-99-9/RN

FILE 'CAPLUS' ENTERED AT 17:08:45 ON 11 DEC 2002

L9 252 S L8  
 L10 2322 S L6  
 L11 0 S L9 AND L10  
 L12 101 S L10 AND EMULSIFIER  
 L13 3 S L10 AND DIMETHICONE

=> s L12 and silicone  
 82088 SILICONE  
 61782 SILICONES  
 118791 SILICONE  
 (SILICONE OR SILICONES)  
 L14 3 L12 AND SILICONE

=> d L14 1-3 ibib,kwic

L14 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2000:472679 CAPLUS  
 DOCUMENT NUMBER: 133:60021  
 TITLE: Waterproofing of cellulosic or cellulosic-synthetic  
 blend fabrics  
 INVENTOR(S): Popa, Mihail; Popa, Eleonora Mihaela; Stanca, Gheorghe  
 PATENT ASSIGNEE(S): S.C. "Novatex" S.A., Pitesti, Rom.  
 SOURCE: Rom., 3 pp.  
 CODEN: RUXXA3  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Romanian  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	RO 112432	B1	19970930	RO 1994-646	19940621
AB	Title fabrics are waterproofed by impregnating with a bath contg. 2-30 g/L fluorocarbons at bath ratio 60-80%, thermofixing at 5-10 s at 200-260.degree., coating in a bath contg. binder based on acrylic or butadiene polymer 200-800, pigment .ltoreq.100, perfluoro or <b>silicone emulsifier</b> 2-60, and natural agglutinant 20-50 g/L, heating 30-90 s at 180-200.degree., calendering, and rapid cooling.				
IT	9003-17-2, Butadiene polymer <b>9010-88-2</b> , Romacril ER 277329-23-4, Oleofobol S 277329-50-7, Oleofobol C				
	RL: TEM (Technical or engineered material use); USES (Uses) (waterproofing of cellulosic or cellulosic-synthetic blend fabrics)				

L14 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1994:559064 CAPLUS  
 DOCUMENT NUMBER: 121:159064  
 TITLE: Additives for moldable thermoplastic polyurethane foams  
 INVENTOR(S): Haas, Peter; Klar, Franz; Sonntag, Werner; Schoenzart, Paul; Oetken, Joachim; Rotondaro, Francesco  
 PATENT ASSIGNEE(S): Bayer A.-G., Germany  
 SOURCE: Ger. Offen., 5 pp.  
 CODEN: GWXXBX

DOCUMENT TYPE: Patent  
LANGUAGE: German  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	DE 4229641	A1	19940310	DE 1992-4229641	19920904
AB	The additives are in the form of (meth)acrylate polymers, polystyrene, styrene-acrylonitrile copolymer, polyacrylonitrile, ABS graft copolymer, melamine oxalate, melamine cyanurate, melamine phosphate, and melamine-DCMO resin. The foam is obtained from polyisocyanates, compds. of mol. wt. 400-10,000 with .gtoreq.2 NCO-reactive H atoms, water, compds. of mol. wt. 32-399 with .gtoreq.2 NCO-reactive atoms, and catalysts and additives. Thus, a molding compn. was obtained from adipic acid-diethylene glycol-trimethylolpropane polycondensate 75.0, adipic acid-phthalic acid-trimethylolpropane-dipropylene glycol polycondensate 25.0, H2O 5.5, <b>silicone</b> 1.0, <b>emulsifier</b> 1.0, Et acrylate-Me methacrylate copolymer 10.0, PhCH2NMe2 1.5, and 1:1 Desmodur T65-Desmodur T80 70.8 parts. The product was molded at 160.degree..				
IT	108-78-1, 1,3,5-Triazine-2,4,6-triamine, miscellaneous 9003-08-1, Formaldehyde-melamine copolymer 9003-53-6, Polystyrene 9003-54-7, Kostil <b>9010-88-2</b> , Ethyl acrylate-methylmethacrylate copolymer 9011-14-7, Plexidon M527 25014-41-9, Polyacrylonitrile 37640-57-6, Melamine cyanurate 41583-09-9, Melamine phosphate 82124-01-4 106677-58-1, ABS graft copolymer RL: MSC (Miscellaneous) (additives, in prodn. of multiple thermoplastic polyurethane foams)				

L14 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1967:105859 CAPLUS  
DOCUMENT NUMBER: 66:105859  
TITLE: Waterproofing polyamide fabrics  
PATENT ASSIGNEE(S): Union Chimique Belge, S. A.  
SOURCE: Fr., 5 pp.  
CODEN: FRXXAK  
DOCUMENT TYPE: Patent  
LANGUAGE: French  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	FR 1456452		19661028		
PRIORITY APPLN. INFO.:			BE	19600121	
AB	Polyamide fabrics, e.g., nylon or Perlon, are treated with 2 emulsions, the first contg. acrylic polymers 94-98, poly(acrylic acid) partially neutralized with NH4OH (I) 0.1-15, and thermo setting resins (II) 0-5% and the second contg. Si resins 80-98, polymn. catalyst 2-20, II 0-5, and I 0-3%. The waterproof coatings are transparent and water, detergent, light, cold, and heat resistant and have excellent adhesion to the fabric and a long life. Thus, a fixed and dyed nylon fabric was washed in a detergent soln. to eliminate all traces of oil and nonfixed dye, coated with an emulsion (III) contg. 40% dry materials (Et polyacrylate 95.5, 60% neutralized I 0.5, melamine-HCHO resin (IV) 3, and <b>emulsifier</b> (V) 1 part), heated 3 min. at 140-50.degree., cooled, coated again with III, heated, cooled, coated with another emulsion contg. 40% dry materials (Et acrylate-Me methacrylate copolymer 94.5, 50% neutralized I 0.5, IV 3, colloidal silica 1, and V 1 part), heated, and cooled. The d. of the dry material deposited was 15 g./m.2, equiv. to a thickness of 13 .mu.. The fabric was then dipped in a bath contg. 4% dry materials (hydrogenated Me <b>silicone</b> (Me:Si:H = 1) 36.5, Me <b>silicone</b> (Me:Si = 2) 50, org. Sn compd. emulsion 10.5, and V 3 parts) and heated 3.5 min. at				

150.degree.. The water repellency detd. by a spray test (ASTM D 583) was 100, and the fabric withstood 400 mm. water pressure for 2 hrs. After washing in a Launder-Ometer 90 min. at 60.degree. with 5 g. Marseille soap in 1 l. water, the spray test value was 100 and the fabric withstood 350 mm. water pressure for 2 hrs.

IT Waterproofing  
(of nylon with acrylic acid polymers, ethyl acrylate polymers, ethyleneurea or melamine resins and **silicones**)

IT Nylon, uses and miscellaneous  
RL: USES (Uses)  
(waterproofing of, with acrylic acid polymers, ethyl acrylate polymers, ethyleneurea or melamine resins and **silicones**)

IT Acrylic acid ethyl ester  
RL: USES (Uses)  
(nylon waterproofing with acrylic acid polymers, ethyleneurea or melamine resins, **silicones** and)

IT 136-84-5  
RL: USES (Uses)  
(nylon waterproofing by acrylate polymers, **silicones** and)

IT 9010-88-2, uses and miscellaneous  
RL: USES (Uses)  
(nylon waterproofing with acrylate polymers, dimethylolethyleneurea, **silicones** and)

IT 9010-88-2  
RL: USES (Uses)  
(nylon waterproofing with acrylate polymers, **silicones** and)

IT 9003-01-4  
RL: USES (Uses)  
(nylon waterproofing with ethyl acrylate polymers, ethyleneurea or melamine resins, **silicones** and)

=> s L12 and cosmetic  
41374 COSMETIC  
42371 COSMETICS  
56136 COSMETIC  
(COSMETIC OR COSMETICS)

L15 2 L12 AND COSMETIC

=> d L15 1-2 ibib,ab,kwic

L15 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1991:30169 CAPLUS

DOCUMENT NUMBER: 114:30169

TITLE: Water-dispersible polymeric compositions

INVENTOR(S): Wu, Stephen H. W.; Greene, Carol J.; Sharma, Mahendra K.

PATENT ASSIGNEE(S): Eastman Kodak Co., USA

SOURCE: U.S., 15 pp.

CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4960814	A	19901002	US 1988-205765	19880613
US 5025004	A	19910618	US 1990-532826	19900604

PRIORITY APPLN. INFO.: US 1988-205765 19880613

AB Disclosed is a process for prepg. polymeric compns. which are suitable for coating medicaments or for use in **cosmetic** formulations. The process makes stable, colloidal, latex-like dispersions of coating

polymers which can be readily dried to form polymeric powder materials. The process makes use of a novel combination of a water-in-oil **emulsifier** and an oil-in-water **emulsifier**. It comprises contacting an org. solvent system contg. .gtoreq.1 water-insol. polymer and .gtoreq.1 low-mol.-wt. volatile water-immiscible solvent, with a surfactant mixt. contg. .gtoreq.1 polymeric, water-sol. or -dispersible, nonionic, oil-in-water **emulsifier** and .gtoreq.1 water-insol., anionic or amphoteric water-in-oil **emulsifier** which is more hydrophobic than and compatible with the oil-in-water **emulsifier** and is dispersible in the solvent system. Thus, cellulose acetate phthalate was dissolved in EtOAc/Me2CHOH and to this was added Pluronic F127 and Emphos D70-30C. The soln. was then emulsified by addn. at H2O. Solvent was then removed and the dispersion was dried. The powder was then used in enteric coatings for aspirin tablets.

- AB Disclosed is a process for prepg. polymeric compns. which are suitable for coating medicaments or for use in **cosmetic** formulations. The process makes stable, colloidal, latex-like dispersions of coating polymers which can be readily dried to form polymeric powder materials. The process makes use of a novel combination of a water-in-oil **emulsifier** and an oil-in-water **emulsifier**. It comprises contacting an org. solvent system contg. .gtoreq.1 water-insol. polymer and .gtoreq.1 low-mol.-wt. volatile water-immiscible solvent, with a surfactant mixt. contg. .gtoreq.1 polymeric, water-sol. or -dispersible, nonionic, oil-in-water **emulsifier** and .gtoreq.1 water-insol., anionic or amphoteric water-in-oil **emulsifier** which is more hydrophobic than and compatible with the oil-in-water **emulsifier** and is dispersible in the solvent system. Thus, cellulose acetate phthalate was dissolved in EtOAc/Me2CHOH and to this was added Pluronic F127 and Emphos D70-30C. The soln. was then emulsified by addn. at H2O. Solvent was then removed and the dispersion was dried. The powder was then used in enteric coatings for aspirin tablets.

ST polymer coating dispersion pharmaceutical **cosmetic**

IT Acrylic polymers, biological studies

Lecithins

Lysophosphatidic acids

Lysophospholipids

Phosphatidic acids

Phospholipids, biological studies

Polyethers, uses and miscellaneous

Polymers, biological studies

Polyoxyalkylenes, uses and miscellaneous

RL: BIOL (Biological study)

(coating material manuf. with, for pharmaceuticals and **cosmetics**)

IT **Cosmetics**

(polymeric aq. dispersions in)

IT Glycerides, biological studies

RL: BIOL (Biological study)

(di-, phosphorylated, coating material manuf. with, for pharmaceuticals and **cosmetics**)

IT 37259-90-8

RL: BIOL (Biological study)

(coating material manuf. with, for pharmaceuticals and **cosmetics**)

IT 77-92-9D, Citric acid, monoglycerides 4345-03-3, .alpha.-Tocopherol

hemisuccinate 5793-94-2, Calcium stearoyl lactylate 9003-53-6D,

Polystyrene, dimethylaminoethyl-modified 9003-54-7D,

Acrylonitrile-styrene copolymer, imiazoline-modified 9004-35-7

9004-36-8, Cellulose acetate butyrate 9004-38-0, Cellulose acetate

phthalate 9004-39-1, Cellulose acetate propionate 9004-57-3, Ethyl

cellulose 9006-26-2, Ethylene-maleic anhydride copolymer

**9010-88-2**, Ethyl acrylate-methyl methacrylate copolymer

9011-13-6, Maleic anhydride-styrene copolymer 9011-16-9, Maleic

anhydride-methyl vinyl ether copolymer 9032-35-3, Cellulose acetate succinate 9050-31-1, Hydroxypropyl methyl cellulose phthalate 18200-72-1 24938-40-7, 2-Methyl-5-vinylpyridine-styrene copolymer 24980-54-9, Styrene-2-vinylpyridine copolymer 25014-15-7, Poly(2-vinylpyridine) 25038-59-9, Poly(ethylene terephthalate), biological studies 25232-41-1, Poly(4-vinylpyridine) 25496-72-4 27755-56-2, Poly(2-vinyl-5-ethylpyridine) 52682-90-3 52907-01-4, Cellulose acetate trimellitate 69865-27-6 70726-37-3, Cellulose propionate morpholinobutyrate 81209-23-6, Emphos D70-30C 84419-85-2, Diethylaminomethyl cellulose 84419-89-6 84992-06-3 106392-12-5, Tergitol XH

RL: BIOL (Biological study)

(coating material prepn. with, for pharmaceuticals and **cosmetics**)

IT 79-10-7D, Acrylic acid, esters, polymers 108-31-6D, Maleic anhydride, polymers 9003-47-8D, Poly(vinylpyridine), derivs. 9003-53-6D, Polystyrene, derivs. 9004-34-6, Cellulose, biological studies 9004-34-6D, Cellulose, esters 9005-64-5 9005-67-8 9005-71-4 9019-70-9D, Styrene-vinylpyridine copolymer, derivs. 34346-01-5D, Glycolic acid-lactic acid copolymer, derivs. 106392-12-5, Poloxamer

RL: BIOL (Biological study)

(coating materials contg., for pharmaceuticals and **cosmetics**)

L15 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1982:144947 CAPLUS

DOCUMENT NUMBER: 96:144947

TITLE: N-3-(cis-9-Octadecenoyloxy)-2-hydroxypropylamine derivative

INVENTOR(S): Honda, Keiichi; Nishijima, Yasushi

PATENT ASSIGNEE(S): Kanebo, Ltd. , Japan

SOURCE: U.S., 7 pp.

CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	US 4313888	A	19820202	US 1980-187045	19800915
AB	RCH <sub>2</sub> CH(OH)CH <sub>2</sub> R <sub>1</sub> with R = oleoyloxy and R <sub>1</sub> = N(CH <sub>2</sub> CH <sub>2</sub> OH) <sub>2</sub> , NHC(CH <sub>2</sub> OH) <sub>2</sub> Me, NHC(CH <sub>2</sub> OH) <sub>2</sub> Et, or NHC(CH <sub>2</sub> OH) <sub>3</sub> are prepd. The compds. are useful as <b>emulsifiers</b> and dispersants in <b>cosmetics</b> , paints, etc., and form stable water-in-oil emulsions. Thus, 3-[bis(2-hydroxyethyl)amino]-2-hydroxy-1-propyl oleate (I) [73270-13-0] was prepd. from glycidyl oleate [5431-33-4] and diethanolamine [111-42-2]. Liq. paraffin 30, I 5, and water 65 parts were mixed at 70.degree. and cooled to prep. a stable water-in-oil emulsion with light absorbance 128, compared to 100 for an emulsion prepd. with sorbitan sesquioleate instead of I.				
AB	RCH <sub>2</sub> CH(OH)CH <sub>2</sub> R <sub>1</sub> with R = oleoyloxy and R <sub>1</sub> = N(CH <sub>2</sub> CH <sub>2</sub> OH) <sub>2</sub> , NHC(CH <sub>2</sub> OH) <sub>2</sub> Me, NHC(CH <sub>2</sub> OH) <sub>2</sub> Et, or NHC(CH <sub>2</sub> OH) <sub>3</sub> are prepd. The compds. are useful as <b>emulsifiers</b> and dispersants in <b>cosmetics</b> , paints, etc., and form stable water-in-oil emulsions. Thus, 3-[bis(2-hydroxyethyl)amino]-2-hydroxy-1-propyl oleate (I) [73270-13-0] was prepd. from glycidyl oleate [5431-33-4] and diethanolamine [111-42-2]. Liq. paraffin 30, I 5, and water 65 parts were mixed at 70.degree. and cooled to prep. a stable water-in-oil emulsion with light absorbance 128, compared to 100 for an emulsion prepd. with sorbitan sesquioleate instead of I.				
ST	oleate hydroxyalkylaminohydroxypropyl prepn <b>emulsifier</b> ; aminohydroxypropyl oleate prepn <b>emulsifier</b> ; <b>cosmetic emulsifier</b>				

IT   **Cosmetics**  
      (**emulsifiers** for, (hydroxyalkylamino)hydroxypropyl oleates  
      as)  
IT   Alcohols, uses and miscellaneous  
      Esters, uses and miscellaneous  
      RL: USES (Uses)  
      (amino, dispersants and **emulsifiers**)  
IT   **9010-88-2**  
      RL: USES (Uses)  
      (**emulsifiers** for, (hydroxyalkylamino)hydroxypropyl oleates  
      as)

=> d his

(FILE 'HOME' ENTERED AT 16:54:22 ON 11 DEC 2002)

FILE 'REGISTRY' ENTERED AT 16:54:38 ON 11 DEC 2002

L1       411 S RHOPLEX  
L2       0 S RHOPLEX AC33  
L3       411 S RHOPLEX  
L4       253 S ACRYLOID  
L5       7 S L3 AND L4  
L6       1 S 9010-88-2/RN  
          E ISODODECANE  
L7       9 S ISODODECANE  
L8       1 S 97659-99-9/RN

FILE 'CAPLUS' ENTERED AT 17:08:45 ON 11 DEC 2002

L9       252 S L8  
L10      2322 S L6  
L11      0 S L9 AND L10  
L12      101 S L10 AND EMULSIFIER  
L13      3 S L10 AND DIMETHICONE  
L14      3 S L12 AND SILICONE  
L15      2 S L12 AND COSMETIC

=> s L10 and cosmetic  
      41374 COSMETIC  
      42371 COSMETICS  
      56136 COSMETIC  
      (COSMETIC OR COSMETICS)  
L16      38 L10 AND COSMETIC

=> d L16 1-38 ti

L16   ANSWER 1 OF 38   CAPLUS   COPYRIGHT 2002 ACS  
TI   Manufacture of fine polymer powder and the flaky polymer powder

L16   ANSWER 2 OF 38   CAPLUS   COPYRIGHT 2002 ACS  
TI   **Cosmetic** composition comprising a polymer and fibers

L16   ANSWER 3 OF 38   CAPLUS   COPYRIGHT 2002 ACS  
TI   **Cosmetic** composition comprising a mixture of polymers

L16   ANSWER 4 OF 38   CAPLUS   COPYRIGHT 2002 ACS  
TI   Polymers for fast make-up of keratin materials

L16   ANSWER 5 OF 38   CAPLUS   COPYRIGHT 2002 ACS  
TI   **Cosmetic** compositions comprising a wax and a polymer

L16   ANSWER 6 OF 38   CAPLUS   COPYRIGHT 2002 ACS  
TI   **Cosmetic** composition comprising a polymer and fibers

L16 ANSWER 7 OF 38 CAPLUS COPYRIGHT 2002 ACS  
TI Water- and oilproofing glossy makeup **cosmetics** containing  
silicones and causing no staining of clothes

L16 ANSWER 8 OF 38 CAPLUS COPYRIGHT 2002 ACS  
TI Odorless **cosmetic** and topical preparations containing polymers  
and odor-masking agents

L16 ANSWER 9 OF 38 CAPLUS COPYRIGHT 2002 ACS  
TI Rubbing-type skin cleansers containing volatile oils

L16 ANSWER 10 OF 38 CAPLUS COPYRIGHT 2002 ACS  
TI Aqueous nail polishes containing acrylic emulsion polymers and  
plasticizers and/or film-forming aids

L16 ANSWER 11 OF 38 CAPLUS COPYRIGHT 2002 ACS  
TI Mascaras comprising film-forming polymers

L16 ANSWER 12 OF 38 CAPLUS COPYRIGHT 2002 ACS  
TI Lipstick compositions containing nonaqueous polymer dispersions and  
modified polysiloxanes

L16 ANSWER 13 OF 38 CAPLUS COPYRIGHT 2002 ACS  
TI Lipstick compositions containing nonaqueous polymer dispersions and  
modified polysiloxanes

L16 ANSWER 14 OF 38 CAPLUS COPYRIGHT 2002 ACS  
TI Polymeric articles having a textured surface and frosted appearance, resin  
compositions therefor and uses thereof

L16 ANSWER 15 OF 38 CAPLUS COPYRIGHT 2002 ACS  
TI Nail lacquers containing nitrocellulose and polymer silicone dispersions

L16 ANSWER 16 OF 38 CAPLUS COPYRIGHT 2002 ACS  
TI Fingernail lacquer composition

L16 ANSWER 17 OF 38 CAPLUS COPYRIGHT 2002 ACS  
TI Fingernail lacquer composition and method of application

L16 ANSWER 18 OF 38 CAPLUS COPYRIGHT 2002 ACS  
TI Antiperspirant **cosmetics**

L16 ANSWER 19 OF 38 CAPLUS COPYRIGHT 2002 ACS  
TI Hair **cosmetics**

L16 ANSWER 20 OF 38 CAPLUS COPYRIGHT 2002 ACS  
TI Sunburn-preventing **cosmetics**

L16 ANSWER 21 OF 38 CAPLUS COPYRIGHT 2002 ACS  
TI Skin **cosmetics** containing polymer dispersions

L16 ANSWER 22 OF 38 CAPLUS COPYRIGHT 2002 ACS  
TI Nonaqueous polymer dispersions for makeup materials

L16 ANSWER 23 OF 38 CAPLUS COPYRIGHT 2002 ACS  
TI Aqueous nail lacquers containing acrylic polymer emulsions

L16 ANSWER 24 OF 38 CAPLUS COPYRIGHT 2002 ACS  
TI Resin dispersion compositions for **cosmetic** use

L16 ANSWER 25 OF 38 CAPLUS COPYRIGHT 2002 ACS  
TI Aqueous nail lacquers containing fluorine compound-coated pigments,

nonionic surfactants, and acrylic polymer emulsions

L16 ANSWER 26 OF 38 CAPLUS COPYRIGHT 2002 ACS  
TI Aqueous nail lacquers containing silicone-coated pigments, nonionic surfactants, and acrylic polymer emulsions

L16 ANSWER 27 OF 38 CAPLUS COPYRIGHT 2002 ACS  
TI Pharmaceutical composition containing terbinafine as an antimycotic agent

L16 ANSWER 28 OF 38 CAPLUS COPYRIGHT 2002 ACS  
TI Water-dispersible polymeric compositions

L16 ANSWER 29 OF 38 CAPLUS COPYRIGHT 2002 ACS  
TI Manicure pen containing polyacrylate hydrosol

L16 ANSWER 30 OF 38 CAPLUS COPYRIGHT 2002 ACS  
TI **Cosmetics** containing friable granules containing acrylic polymer emulsions and water-insoluble powders

L16 ANSWER 31 OF 38 CAPLUS COPYRIGHT 2002 ACS  
TI Polyoxoalkylene-modified organopolysiloxanes as skin irritation alleviation agents, and their uses in **cosmetics** and pharmaceutical adhesives

L16 ANSWER 32 OF 38 CAPLUS COPYRIGHT 2002 ACS  
TI Plastic bottles for **cosmetic** products

L16 ANSWER 33 OF 38 CAPLUS COPYRIGHT 2002 ACS  
TI **Cosmetic** microcapsules

L16 ANSWER 34 OF 38 CAPLUS COPYRIGHT 2002 ACS  
TI Eye makeup containing acrylate film formers

L16 ANSWER 35 OF 38 CAPLUS COPYRIGHT 2002 ACS  
TI Nonnitrocellulose nonformaldehyde or formaldehyde resin nail polish employing an acrylate resin as the film former

L16 ANSWER 36 OF 38 CAPLUS COPYRIGHT 2002 ACS  
TI N-3-(cis-9-Octadecenoyloxy)-2-hydroxypropylamine derivative

L16 ANSWER 37 OF 38 CAPLUS COPYRIGHT 2002 ACS  
TI Nail lacquers

L16 ANSWER 38 OF 38 CAPLUS COPYRIGHT 2002 ACS  
TI Film-forming preparation for local use on the skin

=> d L16 7,10,21,23,2,26 ibib,ab

L16 ANSWER 7 OF 38 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 2001:767473 CAPLUS  
DOCUMENT NUMBER: 135:322536  
TITLE: Water- and oilproofing glossy makeup **cosmetics** containing silicones and causing no staining of clothes  
INVENTOR(S): Shimoda, Manabu; Suhara, Tsuneo; Kaneko, Katsuyuki; Sato, Fumitaka; Yamazaki, Kazunori; Soyama, Miwa  
PATENT ASSIGNEE(S): Shiseido Co., Ltd., Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 15 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1



## PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001294515	A2	20011023	JP 2001-16594	20010125
PRIORITY APPLN. INFO.:			JP 2000-30296	A 20000208
OTHER SOURCE(S):	MARPAT 135:322536			

AB The **cosmetics**, which show good spreadability on the skin, contain (A) Me Ph polysiloxane and (B) nonaq. dispersions of polymers in volatile silicones. Thus, a lipstick contg. Me Ph polysiloxane and Et acrylate-Me methacrylate copolymer dispersed in decamethylcyclopentasiloxane caused almost no staining of a cup.

L16 ANSWER 10 OF 38 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:172774 CAPLUS

DOCUMENT NUMBER: 134:227098

TITLE: Aqueous nail polishes containing acrylic emulsion polymers and plasticizers and/or film-forming aids

INVENTOR(S): Matsushita, Atsushi

PATENT ASSIGNEE(S): Kosei Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001064118	A2	20010313	JP 1999-238998	19990825
AB	The nail polishes contain (a) acrylic emulsion polymers and (b) plasticizers and/or film-forming aids with soly. .ltoreq.10% at 20.degree.. The nail polishes may be prepd. by heating (a) with (b). The nail polishes show good film-forming property, good adhesion to skin, waterproofness, and gloss. An aq. emulsion of acrylic acid-2-ethylhexyl methacrylate-Me methacrylate-styrene copolymer triethylamine salt (prepn. given) was treated with acetyl tri-Bu acetylcitrate at 70.degree. for 30 min. An aq. nail polish contg. the emulsion polymer and Yodosol GH 28 was prepd. and evaluated.			

L16 ANSWER 21 OF 38 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1998:535166 CAPLUS

DOCUMENT NUMBER: 129:221016

TITLE: Skin **cosmetics** containing polymer dispersions

INVENTOR(S): Nanba, Tomiyuki

PATENT ASSIGNEE(S): Shiseido Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 10218726	A2	19980818	JP 1997-35504	19970204
AB	Skin <b>cosmetics</b> [creams, hand lotions, emulsions] showing excellent skin protecting effects contain nonaq. polymer dispersions obtained by dispersing polymers in org. solvents [i.e. volatile org. silicones]. The polymers are e.g. vinyl group- or vinylidene group-comprising silicone unit-contg. copolymers.			

L16 ANSWER 23 OF 38 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1997:326359 CAPLUS  
 DOCUMENT NUMBER: 127:8960  
 TITLE: Aqueous nail lacquers containing acrylic polymer emulsions  
 INVENTOR(S): Matsushita, Atsushi; Matsuo, Tsutomu; Momose, Shigesada  
 PATENT ASSIGNEE(S): Kosei K. K., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 09071511	A2	19970318	JP 1995-297427	19951020
PRIORITY APPLN. INFO.:			JP 1995-188187	19950630

AB The nail lacquers contain resins that are insol. in water and sol. in alk. water, and acrylic polymer emulsions. The resins and polymer emulsions show good compatibility and the nail lacquers show good spreadability and form films with good gloss, adhesion, and strength. A nail lacquer was formulated which contained 3.0 wt.% Joncryl 68 (acrylic acid-styrene copolymer), 70.0 wt.% Yodo Sol GH 28 (Et acrylate-Me methacrylate copolymer), 3.0 wt.% Carbitol, 3.0 wt.% Japan Red 226, 0.5 wt.%, bentonite, perfume, antiseptic, defoamer, neutralizing agent, and balance H2O.

L16 ANSWER 2 OF 38 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2002:487344 CAPLUS  
 DOCUMENT NUMBER: 137:52056  
 TITLE: **Cosmetic** composition comprising a polymer and fibers  
 INVENTOR(S): Collin, Nathalie  
 PATENT ASSIGNEE(S): L'Oreal S.A., Fr.  
 SOURCE: PCT Int. Appl., 69 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 3  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002049583	A1	20020627	WO 2000-IB2002	20001221
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG AU 2001020204 A5 20020701 AU 2001-20204 20001221 WO 2002047619 A2 20020620 WO 2001-IB2786 20011211 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,				

CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,  
 BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG  
 AU 2002030016 A5 20020624 AU 2002-30016 20011211  
 PRIORITY APPLN. INFO.: FR 2000-16161 A 20001212  
 WO 2000-IB2002 A 20001221  
 WO 2001-IB2786 W 20011211

AB The invention relates to a compn. comprising, in a physiol. acceptable medium contg. a fatty phase, a polymer with a wt.-av. mol. mass of less than 100,000 and in particular ranging from 1000 to 30,000, comprising a) a polymer skeleton contg. hydrocarbon-based repeating units contg. at least one hereto atom, and optionally b) pendent fatty chains and/or terminal fatty chains, which may be functionalized, contg. from 6 to 120 carbon atoms and being linked to these units, and fibers. A mascara was prepd. contg. waxes, oils, polyamide (Uniclear 100), polyamide fibers, Et acrylate-Me methacrylate copolymer and many other ingredients.

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 26 OF 38 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1994:663322 CAPLUS  
 DOCUMENT NUMBER: 121:263322  
 TITLE: Aqueous nail lacquers containing silicone-coated pigments, nonionic surfactants, and acrylic polymer emulsions  
 INVENTOR(S): Takatsu, Akihiko; Yokoyama, Kyoko  
 PATENT ASSIGNEE(S): Kanebo Ltd, Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 14 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 06211630	A2	19940802	JP 1993-19586	19930111
JP 3080803	B2	20000828		

AB Aq. nail lacquers contain inorg. pigments coated with 0.1-10.0 wt.% (to the pigments) silicones, polyoxyethylene-based nonionic surfactants, and acrylic polymer emulsions. The nail lacquers show good dispersion stability. Nail lacquer contg. silicone-coated TiO2 0.03, silicone-coated red iron oxide 0.03, silicone-coated yellow iron oxide 0.02, silicone-coated black iron oxide 0.01, silicone-coated ultramarine 0.01, Japan Red 226 1.0, polyoxyethylene sorbitan tristearate 2.0, emulsion contg. 50% Et acrylate-Me methacrylate copolymer 60.0, H2O, antiseptic, etc. to 100 wt.% was formulated.

=> d L16 2,3,4,5,6,8,9,11,12,13,15,16,17,18,19,20,22,24,28,30,33,34,35,37,38 ibib

L16 ANSWER 2 OF 38 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2002:487344 CAPLUS  
 DOCUMENT NUMBER: 137:52056  
 TITLE: **Cosmetic** composition comprising a polymer and fibers  
 INVENTOR(S): Collin, Nathalie  
 PATENT ASSIGNEE(S): L'Oreal S.A., Fr.  
 SOURCE: PCT Int. Appl., 69 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 3  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002049583	A1	20020627	WO 2000-IB2002	20001221
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 2001020204	A5	20020701	AU 2001-20204	20001221
WO 2002047619	A2	20020620	WO 2001-IB2786	20011211
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2002030016	A5	20020624	AU 2002-30016	20011211
PRIORITY APPLN. INFO.:				
			FR 2000-16161	A 20001212
			WO 2000-IB2002	A 20001221
			WO 2001-IB2786	W 20011211
REFERENCE COUNT:	4	THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L16 ANSWER 3 OF 38 CAPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 2002:465764 CAPLUS  
 DOCUMENT NUMBER: 137:52021  
 TITLE: **Cosmetic** composition comprising a mixture of polymers  
 INVENTOR(S): Collin, Nathalie  
 PATENT ASSIGNEE(S): L'oreal, Fr.  
 SOURCE: PCT Int. Appl., 52 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: French  
 FAMILY ACC. NUM. COUNT: 3  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002047630	A1	20020620	WO 2001-FR3940	20011211
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2002017252	A5	20020624	AU 2002-17252	20011211
PRIORITY APPLN. INFO.:				
			FR 2000-16161	A 20001212
			WO 2001-FR3940	W 20011211
REFERENCE COUNT:	14	THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L16 ANSWER 4 OF 38 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2002:465763 CAPLUS  
DOCUMENT NUMBER: 137:52020  
TITLE: Polymers for fast make-up of keratin materials  
INVENTOR(S): Collin, Nathalie  
PATENT ASSIGNEE(S): L'oreal, Fr.  
SOURCE: PCT Int. Appl., 53 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: French  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002047629	A1	20020620	WO 2001-FR3939	20011211
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
FR 2817743	A1	20020614	FR 2000-16164	20001212
AU 2002017251	A5	20020624	AU 2002-17251	20011211
PRIORITY APPLN. INFO.:			FR 2000-16164 A	20001212
			WO 2001-FR3939 W	20011211
REFERENCE COUNT:	16	THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L16 ANSWER 5 OF 38 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2002:465757 CAPLUS  
DOCUMENT NUMBER: 137:52017  
TITLE: **Cosmetic** compositions comprising a wax and a polymer  
INVENTOR(S): Collin, Nathalie  
PATENT ASSIGNEE(S): L'oreal, Fr.  
SOURCE: PCT Int. Appl., 31 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: French  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002047622	A2	20020620	WO 2001-FR3945	20011211
WO 2002047622	A3	20020808		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU 2002019285	A5	20020624	AU 2002-19285	20011211
US 2002168335	A1	20021114	US 2001-12052	20011211

PRIORITY APPLN. INFO.: FR 2000-16163 A 20001212  
 US 2001-280848P P 20010403  
 WO 2001-FR3945 W 20011211

L16 ANSWER 6 OF 38 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2002:465754 CAPLUS  
 DOCUMENT NUMBER: 137:37402  
 TITLE: **Cosmetic** composition comprising a polymer  
 and fibers  
 INVENTOR(S): Collin, Nathalie  
 PATENT ASSIGNEE(S): L'Oreal S.A., Fr.  
 SOURCE: PCT Int. Appl., 68 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 3  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002047619	A2	20020620	WO 2001-IB2786	20011211
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
WO 2002049583	A1	20020627	WO 2000-IB2002	20001221
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
AU 2002030016	A5	20020624	AU 2002-30016	20011211
PRIORITY APPLN. INFO.:			FR 2000-16161 A 20001212	
			WO 2000-IB2002 W 20001221	
			WO 2001-IB2786 W 20011211	

L16 ANSWER 8 OF 38 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:587231 CAPLUS  
 DOCUMENT NUMBER: 135:157402  
 TITLE: Odorless **cosmetic** and topical preparations  
 containing polymers and odor-masking agents  
 INVENTOR(S): Sato, Takashi  
 PATENT ASSIGNEE(S): Pola Chemical Industries, Inc., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001220343	A2	20010814	JP 2000-31259	20000209

L16 ANSWER 9 OF 38 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:369673 CAPLUS  
 DOCUMENT NUMBER: 134:357397  
 TITLE: Rubbing-type skin cleansers containing volatile oils  
 INVENTOR(S): Mizuguchi, Eiji; Uenoyama, Haruhisa  
 PATENT ASSIGNEE(S): Pola Chemical Industries, Inc., Japan; Kyowa Kogyo Co., Ltd.  
 SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001139426	A2	20010522	JP 1999-324307	19991115

L16 ANSWER 11 OF 38 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:10585 CAPLUS  
 DOCUMENT NUMBER: 134:76117  
 TITLE: Mascaras comprising film-forming polymers  
 INVENTOR(S): Bodelin, Sophie  
 PATENT ASSIGNEE(S): L'oreal, Fr.  
 SOURCE: Eur. Pat. Appl., 29 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: French  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1064919	A1	20010103	EP 2000-401662	20000613
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
FR 2795635	A1	20010105	FR 1999-8412	19990630
CA 2340079	AA	20010111	CA 2000-2340079	20000620
WO 2001001935	A1	20010111	WO 2000-FR1697	20000620
W: BR, CA, CN, KR, MX				
BR 2000006902	A	20010612	BR 2000-6902	20000620
JP 2001055310	A2	20010227	JP 2000-196939	20000629

PRIORITY APPLN. INFO.: FR 1999-8412 A 19990630  
 WO 2000-FR1697 W 20000620  
 REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 12 OF 38 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2000:715532 CAPLUS  
 DOCUMENT NUMBER: 133:286229  
 TITLE: Lipstick compositions containing nonaqueous polymer dispersions and modified polysiloxanes  
 INVENTOR(S): Yamazaki, Kazunori; Nanba, Tomiyuki; Yagita, Yoshiaki; Soyama, Yoshikazu; Sato, Fumitaka; Suhara, Tsuneo; Kaneko, Katsuyuki; Shimoda, Manabu  
 PATENT ASSIGNEE(S): Shiseido Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,  
DK, EE, ES, FI, GB, GE, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR,  
KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ,



PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, UZ,  
VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM  
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES,  
FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI,  
CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

AU 9927616 A1 19990823 AU 1999-27616 19990209  
PRIORITY APPLN. INFO.: US 1998-21652 19980210  
US 1998-63156 19980420  
WO 1999-US2787 19990209

REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 17 OF 38 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1999:502739 CAPLUS  
DOCUMENT NUMBER: 131:134422  
TITLE: Fingernail lacquer composition and method of  
application  
INVENTOR(S): Razzano, Dominick D.  
PATENT ASSIGNEE(S): USA  
SOURCE: U.S., 5 pp.  
CODEN: USXXAM  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 3  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5935590	A	19990810	US 1998-21652	19980210
US 5989575	A	19991123	US 1998-63156	19980420
WO 9939681	A1	19990812	WO 1999-US2787	19990209

W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,  
DK, EE, ES, FI, GB, GE, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR,  
KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ,  
PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, UZ,  
VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM  
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES,  
FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI,  
CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

AU 9927616 A1 19990823 AU 1999-27616 19990209  
PRIORITY APPLN. INFO.: US 1998-21652 19980210  
US 1998-63156 19980420  
WO 1999-US2787 19990209

REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 18 OF 38 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1999:201907 CAPLUS  
DOCUMENT NUMBER: 130:227546  
TITLE: Antiperspirant **cosmetics**  
INVENTOR(S): Mizuguchi, Eiji  
PATENT ASSIGNEE(S): Pola Chemical Industries, Inc., Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 11079965	A2	19990323	JP 1997-252785	19970902

L16 ANSWER 19 OF 38 CAPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 1998:542891 CAPLUS  
 DOCUMENT NUMBER: 129:221006  
 TITLE: Hair **cosmetics**  
 INVENTOR(S): Nanba, Tomiyuki  
 PATENT ASSIGNEE(S): Shiseido Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 10218740	A2	19980818	JP 1997-35505	19970204

L16 ANSWER 20 OF 38 CAPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 1998:535175 CAPLUS  
 DOCUMENT NUMBER: 129:235422  
 TITLE: Sunburn-preventing **cosmetics**  
 INVENTOR(S): Nanba, Tomiyuki  
 PATENT ASSIGNEE(S): Shiseido Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 10218750	A2	19980818	JP 1997-35506	19970204

L16 ANSWER 22 OF 38 CAPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 1998:219380 CAPLUS  
 DOCUMENT NUMBER: 128:261679  
 TITLE: Nonaqueous polymer dispersions for makeup materials  
 INVENTOR(S): Yamazaki, Kazunori; Nanba, Tomiyuki; Takabayashi, Kuniko; Yoshida, Kunihiro; Hineno, Teruhiko; Nakamura, Tetsuji  
 PATENT ASSIGNEE(S): Shiseido Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 14 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
JP 10087435	A2	19980407	JP 1996-317168	19961113
PRIORITY APPLN. INFO.:			JP 1995-326607	19951121
			JP 1996-210606	19960722

L16 ANSWER 24 OF 38 CAPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 1997:38554 CAPLUS  
 DOCUMENT NUMBER: 126:65185  
 TITLE: Resin dispersion compositions for **cosmetic** use  
 INVENTOR(S): Fujii, Takao; Matsubara, Kazuo; Masuko, Ichihiro; Serizawa, Hiroshi  
 PATENT ASSIGNEE(S): Nippon Carbide Kogyo Kk, Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 14 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 08269332	A2	19961015	JP 1995-93166	19950328

L16 ANSWER 28 OF 38 CAPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 1991:30169 CAPLUS  
 DOCUMENT NUMBER: 114:30169  
 TITLE: Water-dispersible polymeric compositions  
 INVENTOR(S): Wu, Stephen H. W.; Greene, Carol J.; Sharma, Mahendra K.  
 PATENT ASSIGNEE(S): Eastman Kodak Co., USA  
 SOURCE: U.S., 15 pp.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4960814	A	19901002	US 1988-205765	19880613
US 5025004	A	19910618	US 1990-532826	19900604
PRIORITY APPLN. INFO.:			US 1988-205765	19880613

L16 ANSWER 30 OF 38 CAPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 1990:62383 CAPLUS  
 DOCUMENT NUMBER: 112:62383  
 TITLE: **Cosmetics** containing friable granules containing acrylic polymer emulsions and water-insoluble powders  
 INVENTOR(S): Naito, Noboru  
 PATENT ASSIGNEE(S): Kobayashi Kose Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 01190616	A2	19890731	JP 1988-14296	19880125
JP 2700793	B2	19980121		

L16 ANSWER 33 OF 38 CAPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 1985:411232 CAPLUS  
 DOCUMENT NUMBER: 103:11232  
 TITLE: **Cosmetic** microcapsules  
 PATENT ASSIGNEE(S): Pola Chemical Industries, Inc., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 4 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 60000824	A2	19850105	JP 1983-109257	19830620
JP 03066012	B4	19911015		

L16 ANSWER 34 OF 38 CAPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 1984:126731 CAPLUS  
 DOCUMENT NUMBER: 100:126731  
 TITLE: Eye makeup containing acrylate film formers  
 INVENTOR(S): Murui, Yukio; Saitoh, Masaaki  
 PATENT ASSIGNEE(S): Shiseido Co., Ltd., Japan  
 SOURCE: U.S., 8 pp. Cont. of U.S. Ser. No. 92,267, abandoned.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4423031	A	19831227	US 1981-288506	19810730
PRIORITY APPLN. INFO.:			US 1979-92267	19791108

L16 ANSWER 35 OF 38 CAPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 1983:618419 CAPLUS  
 DOCUMENT NUMBER: 99:218419  
 TITLE: Nonnitrocellulose nonformaldehyde or formaldehyde resin nail polish employing an acrylate resin as the film former  
 INVENTOR(S): Gordon, Harry W.; Avila, Nanette R.  
 PATENT ASSIGNEE(S): Del Laboratories, Inc., USA  
 SOURCE: U.S., 5 pp. Cont.-in-part of U.S. Ser. No. 132,504.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4409203	A	19831011	US 1982-377620	19820513
PRIORITY APPLN. INFO.:			US 1980-132504	19800321

L16 ANSWER 37 OF 38 CAPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 1980:152900 CAPLUS  
 DOCUMENT NUMBER: 92:152900  
 TITLE: Nail lacquers  
 INVENTOR(S): Kimura, Kuniko; Mori, Motoo; Fukuyama, Masakatsu  
 PATENT ASSIGNEE(S): Kanebo, Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 54129137	A2	19791006	JP 1978-36292	19780328
JP 60033362	B4	19850802		

L16 ANSWER 38 OF 38 CAPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 1975:103163 CAPLUS

DOCUMENT NUMBER: 82:103163  
 TITLE: Film-forming preparation for local use on the skin  
 INVENTOR(S): Schertler, Paul H.  
 PATENT ASSIGNEE(S): Minnesota Mining and Mfg. Co.  
 SOURCE: Ger. Offen., 31 pp.  
 CODEN: GWXXBX  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2423849	A1	19741212	DE 1974-2423849	19740516
US 3928261	A	19751223	US 1973-361162	19730517
FR 2229393	A1	19741213	FR 1974-17014	19740516
JP 50025725	A2	19750318	JP 1974-54961	19740516
AU 7469035	A1	19751120	AU 1974-69035	19740516
GB 1465190	A	19770223	GB 1974-21836	19740516
PRIORITY APPLN. INFO.:			US 1973-361162	19730517

=> d his

(FILE 'HOME' ENTERED AT 16:54:22 ON 11 DEC 2002)

FILE 'REGISTRY' ENTERED AT 16:54:38 ON 11 DEC 2002

L1 411 S RHOPLEX  
 L2 0 S RHOPLEX AC33  
 L3 411 S RHOPLEX  
 L4 253 S ACRYLOID  
 L5 7 S L3 AND L4  
 L6 1 S 9010-88-2/RN  
 E ISODODECANE  
 L7 9 S ISODODECANE  
 L8 1 S 97659-99-9/RN

FILE 'CAPLUS' ENTERED AT 17:08:45 ON 11 DEC 2002

L9 252 S L8  
 L10 2322 S L6  
 L11 0 S L9 AND L10  
 L12 101 S L10 AND EMULSIFIER  
 L13 3 S L10 AND DIMETHICONE  
 L14 3 S L12 AND SILICONE  
 L15 2 S L12 AND COSMETIC  
 L16 38 S L10 AND COSMETIC

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**Search Results - Record(s) 1 through 7 of 7 returned.****1. Document ID: US 6335312 B1**

L5: Entry 1 of 7

File: USPT

Jan 1, 2002

US-PAT-NO: 6335312

DOCUMENT-IDENTIFIER: US 6335312 B1

TITLE: Personal cleansing compositions comprising mid-chain branched surfactants

DATE-ISSUED: January 1, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Coffindaffer; Timothy Woodrow	Loveland	OH		
Vinson; Phillip Kyle	Fairfield	OH		
Cripe; Thomas Anthony	Loveland	OH		
Lanzalaco; Anthony Charles	Fairfield	OH		
Stidham; Robert Emerson	Lawrenceburg	IN		
Connor; Daniel Stedman	Cincinnati	OH		

US-CL-CURRENT: 510/159; 510/119, 510/127, 510/130

L5: Entry 1 of 7

File: USPT

Jan 1, 2002

DOCUMENT-IDENTIFIER: US 6335312 B1

TITLE: Personal cleansing compositions comprising mid-chain branched surfactants

Detailed Description Paragraph Table (12):

Example XXI Component Weight % UU VV WW XX YY BAS\* 2.0 2.0 3.0 2.0 3.0  
Cocamidopropyl Betaine FB 6.0 6.0 9.0 6.0 9.0 Alkyl Glyceryl Sulfonate 10.0 10.0 6.0  
10.0 6.0 Mixture A 3.0 6.0 -- -- -- Mixture B -- -- 3.0 -- 6.0 Mixture C -- -- --  
3.0 -- Dihydrogenated Tallowamidoethyl 0.25 0.50 -- 0.25 -- Hydroxyethylmonium  
Methosulfate (1) Ditallowamidoethyl -- -- 0.25 -- 0.25 Hydroxypropylmonium  
Methosulfate (2) Polyquaternium-16 (Luviquat 905) -- -- -- 0.25 -- Monosodium  
Phosphate 0.1 0.1 0.1 0.1 0.1 Disodium Phosphate 0.2 0.2 0.2 0.2 0.2 Glycol  
Distearate 2.0 2.0 2.0 2.0 2.0 Cocomonooethanol amide 0.6 0.6 0.6 0.6 0.6 Fragrance  
1.0 1.0 1.0 1.0 1.0 Cetyl Alcohol 0.42 0.42 0.42 0.42 0.60 Stearyl Alcohol 0.18 0.18  
0.18 0.18 -- PEG-150 Pentaerythrityl Tetrastearate 0.1 0.1 0.1 0.1 0.1  
Polyquaternium 10 (JR30M) 0.3 -- -- 0.1 -- Polyquaternium 10 (JR400) -- 0.3 -- -- --  
Polyquaternium 10 (JR125) -- -- 0.3 -- 0.1 Dimethicone -- 0.3 0.3 -- -- DMDM  
Hydantoin 0.2 0.2 0.2 0.2 0.2 Water qs qs qs qs qs 100 100 100 100 100 \*The  
Mid-Chain Branched surfactant according to example IV. (1) Available under the  
tradename Varisoft 110 from Sherex Chemical Co. (Dublin, Ohio, USA) (2) Available  
under the tradename Varisoft 238 from Sherex Chemical Co. (Dublin, Ohio, USA)  
Component Weight % ZZ AAA BBB CCC DDD BAES\* 4.0 5.0 6.0 3.0 4.0 BAS\*\* 1.0 1.0 1.0  
1.0 1.0 Ammonium Laureth Sulfate 5.5 4.5 3.5 3.5 4.5 Sodium Lauroamphoacetate 7.5  
7.5 7.5 8.5 7.5 Mixture A 4.0 6.0 -- -- 4.0 Mixture B -- -- 4.0 -- -- Mixture C --  
-- -- 4.0 -- Dihydrogenated Tallowamidoethyl 1.0 -- -- -- Hydroxyethylmonium  
Methosulfate (1) Ditallowamidoethyl -- 0.75 -- -- -- Hydroxypropylmonium  
Methosulfate (2) Ditallow Dimethyl Ammonium -- -- 1.0 -- 1.0 Chloride (3)  
Ditallowamidoethyl -- -- -- 0.75 -- Hydroxyethylmonium Methosulfate (4)

Polyquaternium-16 (Luviquat 905) -- -- -- 0.25 -- Monosodium Phosphate 0.1 0.1 0.1  
 0.1 0.1 Disodium Phosphate 0.2 0.2 0.2 0.2 0.2 Glycol Distearate 2.0 2.0 2.0 2.0 2.0  
 Cocomonoethanol amide 0.6 0.6 0.6 0.6 0.6 Fragrance 1.0 0.8 1.0 1.0 1.0 Cetyl  
 Alcohol 0.42 0.42 0.42 0.42 0.42 Stearyl Alcohol 0.18 0.18 0.18 0.18 0.18 PEG-150  
 Pentaerythrityl Tetrastearate 0.08 0.1 0.1 0.1 0.1 Polyquaternium 10 (JR30M) 0.3 --  
 -- 0.1 0.3 Polyquaternium 10 (JR400) -- 0.3 -- -- Polyquaternium 10 (JR125) -- --  
 0.3 -- -- Dimethicone -- 0.5 0.3 -- -- DMDM Hydantoin 0.2 0.2 0.2 0.2 0.2 Water qs  
 qs qs qs qs qs 100 100 100 100 100 \*The Mid-Chain Branched surfactant according to  
 example I. \*\*The Mid-Chain Branched surfactant according to example IV. (1)  
 Available under the tradename Varisoft 110 from Sherex Chemical Co. (Dublin, Ohio,  
 USA) (2) Available under the tradename Varisoft 238 from Sherex Chemical Co.  
 (Dublin, Ohio, USA) (3) Available under the tradename Adogen 442-110P from Witco  
 (Dublin, Ohio, USA) (4) Available under the tradename Varisoft 222 from Sherex  
 Chemical Co. (Dublin, Ohio, USA) Component Weight % EEE FFF GGG HHH III BAES\* 2.0  
 3.0 5.0 2.0 3.0 BAS\*\* -- 1.0 -- 1.0 1.0 Ammonium Laureth Sulfate 0 6.5 4.0 7.0 6.0  
 Cocamidopropyl Betaine FB 6.0 -- 4.7 -- -- Sodium Lauroamphoacetate -- 7.5 -- 7.5  
 7.5 Alkyl Glyceryl Sulfonate 10.0 -- -- -- Mixture A -- -- 4.0 -- Mixture C --  
 -- -- 4.0 Mixture D 6.0 4.0 8.0 -- -- Dihydrogenated Tallowamidoethyl 0.25 -- --  
 0.5 -- Hydroxyethylmonium Methosulfate (1) Ditalow Dimethyl Ammonium -- 1.0 -- --  
 -- Chloride (3) Di(partially hardened soyolethyl) -- -- 0.75 -- 1.0  
 Hydroxyethylmonium Methosulfate (5) Polyquaternium-16 (Luviquat 905) -- -- -- 0.25  
 -- Monosodium Phosphate 0.1 0.1 0.1 0.1 0.1 Disodium Phosphate 0.2 0.2 0.2 0.2 0.2  
 Glycol Distearate 2.0 2.0 2.0 2.0 2.0 Cocomonoethanol amide 0.6 0.6 0.6 0.6 0.6  
 Fragrance 1.0 1.0 1.0 1.0 1.0 Cetyl Alcohol 0.42 0.42 0.42 0.42 0.42 Stearyl Alcohol  
 0.18 0.13 0.18 0.18 0.18 PEG-150 Pentaerythrityl Tetrastearate 0.10 0.08 1.0 0.10  
 0.08 Polyquaternium 10 (JR30M) -- -- 0.3 -- -- Polyquaternium 10 (JR400) -- 0.3 --  
 -- -- Polyquaternium 10 (JR125) 0.3 -- -- -- Guar Hydroxypropyltrimonium -- -- --  
 0.25 0.5 Chloride Dimethicone -- 0.5 -- -- DMDM Hydantoin 0.2 0.2 0.2 0.2 0.2  
 Water qs qs qs qs qs qs 100 100 100 100 100 \*The Mid-Chain Branched surfactant  
 according to example I. \*\*The Mid-Chain Branched surfactant according to example IV.  
 (1) Available under the tradename Varisoft 110 from Sherex Chemical Co. (Dublin,  
 Ohio, USA) (3) Available under the tradename Adogen 442-110P from Witco Corporation  
 (Dublin, Ohio, USA) (5) Available under the tradename Armocare EQ-S from Akzo-Nobel  
 Chemicals Inc. (Chicago, Illinois, USA) w/w ratio Mixture A. Styling Polymer:  
 t-butyl acrylate/2-ethylhexyl methacrylate 40 (90/10 w/w) Volatile Solvent:  
isododecane 60 Mixture B. Styling Polymer: t-butyl acrylate/2-ethylhexyl  
 methacrylate 50 (90/10 w/w) Volatile Solvent: isododecane 50 Mixture C. Styling  
 Polymer: t-butyl acrylate/2-ethylhexyl methacrylate/ 40 PDMS macromer (81/9/10 w/w)  
 Volatile Solvent: isododecane 60 Mixture D. Styling Polymer: vinyl pyrrolidone/vinyl  
 acetate (5/95 w/w) 40 Volatile Solvent: diethyl succinate 60

Full	Title	Citation	Front	Review	Classification	Date	References	Sequences	Attachments	Claims	300C	Draw Desc	Image
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## 2. Document ID: US 6248317 B1

L5: Entry 2 of 7

File: USPT

Jun 19, 2001

US-PAT-NO: 6248317

DOCUMENT-IDENTIFIER: US 6248317 B1

TITLE: Styling shampoo compositions with improved styling polymer deposition

DATE-ISSUED: June 19, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Snyder; Michael Albert	Mason	OH		
Hill; Burt Landford	Cincinnati	OH		
Inman; Everett Junior	Cincinnati	OH		
Guskey; Susan Marie	Montgomery	OH		
Wells; Robert Lee	Cincinnati	OH		

US-CL-CURRENT: 424/70.28; 424/70.12, 424/70.13

L5: Entry 2 of 7

File: USPT

Jun 19, 2001

DOCUMENT-IDENTIFIER: US 6248317 B1

TITLE: Styling shampoo compositions with improved styling polymer deposition

Detailed Description Paragraph Table (1):

w/w ratio Mixture A. Styling Polymer: t-butyl acrylate/2-ethylhexyl methacrylate 40 (90.10 w/w) Volatile Solvent: isododecane 60 Mixture B. Styling Polymer: t-butyl acrylate/2-ethylhexyl methacrylate 50 (90/10 w/w) Volatile Solvent: isododecane 50 Mixture C. Styling Polymer: t-butyl acrylate/2-ethylhexyl 40 methacrylate/PDMS macromer (81/9/10 w/w) Volatile Solvent: isododecane 60 Mixture D. Styling Polymer: vinyl pyrrolidone/vinyl acetate (5/95 w/w) 40 Volatile Solvent: diethyl succinate 60 Weight % Component I II III IV V Ammonium Laureth 2.0 2.0 3.0 2.0 3.0 Sulfate Cocamidopropyl Betaine 6.0 6.0 9.0 6.0 9.0 FB Alkyl Glyceryl Sulfonate 10.0 10.0 6.0 10.0 6.0 Mixture A 3.0 6.0 -- -- -- Mixture B -- -- 3.0 -- 6.0 Mixture C -- -- -- 3.0 -- Dihydrogenated 0.25 0.50 -- 0.25 -- Tallowamidoethyl Hydroxyethylmonium Methosulfate (1) Ditallowamidoethyl -- -- 0.25 -- 0.25 Hydroxypropylmonium Methosulfate (2) Polyquaternium-16 -- -- -- 0.25 -- (Luviquat 905) Monosodium Phosphate 0.1 0.1 0.1 0.1 0.1 Disodium Phosphate 0.2 0.2 0.2 0.2 0.2 Glycol Distearate 2.0 2.0 2.0 2.0 2.0 Cocomonoethanol amide 0.6 0.6 0.6 0.6 0.6 Fragrance 1.0 1.0 1.0 1.0 1.0 Cetyl Alcohol 0.42 0.42 0.42 0.42 0.60 Stearyl Alcohol 0.18 0.18 0.18 0.18 -- PEG-150 Pentaerythrityl 0.1 0.1 0.1 0.1 0.1 Tetrastearate Polyquaternium 10 0.3 -- -- 0.1 -- (JR30M) Polyquaternium 10 -- 0.3 -- -- -- (JR400) Polyquaternium 10 -- -- 0.3 -- 0.1 (JR125) Dimethicone -- 0.3 0.3 -- -- DMDM Hydantoin 0.2 0.2 0.2 0.2 0.2 Water qs 100 qs 100 qs 100 qs 100 qs 100 (1) Available under the tradename Varisoft 110 from Sherex Chemical Co. (Dublin, Ohio, USA) (2) Available under the tradename Varisoft 238 from Sherex Chemical Co. (Dublin, Ohio, USA)

Full	Title	Classen	Front	Review	Classification	Date	Reference	Sequences	Attachments
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FORM	Draw Desc	Image
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☐ 3. Document ID: US 6177390 B1

L5: Entry 3 of 7

File: USPT

Jan 23, 2001

US-PAT-NO: 6177390

DOCUMENT-IDENTIFIER: US 6177390 B1

TITLE: Styling shampoo compositions which deliver improved hair curl retention and hair feel

DATE-ISSUED: January 23, 2001

INVENTOR-INFORMATION:



NAME	CITY	STATE	ZIP CODE	COUNTRY
Guskey; Susan Marie	Montgomery	OH		
Inman; Everett Junior	Cincinnati	OH		
Desch; Teresa Ann	Loveland	OH		
Fritschi; Lynne Anne	Cincinnati	OH		
Killion; Stephanie Lynn	Cincinnati	OH		

US-CL-CURRENT: 510/119; 510/121, 510/122, 510/123, 510/127, 510/130, 510/135,  
510/151, 510/152, 510/153, 510/155, 510/156, 510/242, 510/417, 510/434, 510/437,  
510/466, 510/490

L5: Entry 3 of 7

File: USPT

Jan 23, 2001

DOCUMENT-IDENTIFIER: US 6177390 B1

TITLE: Styling shampoo compositions which deliver improved hair curl retention and hair feel

Detailed Description Paragraph Table (1):

w/w ratio Mixture A. Styling Polymer: t-butyl acrylate/2-ethylhexyl 40 methacrylate (90/10 w/w) Volatile Solvent: isododecane 60 Mixture B. Styling Polymer: t-butyl acrylate/2-ethylhexyl 50 methacrylate (90/10 w/w) Volatile Solvent: isododecane 50 Mixture C. Styling Polymer: t-butyl acrylate/2-ethylhexyl 40 methacrylate/PDMS macromer (81/9/10 w/w; Polymer wt avg. M.W. = 100,000) Volatile Solvent: isododecane 60 Weight % Component I II III IV V Ammonium Laureth Sulfate 9.0 9.0 9.0 9.0 9.0 Ammonium Lauryl Sulfate 3.0 3.0 3.0 3.0 3.0 Lauroamphoacetate 6.0 6.0 6.0 6.0 6.0 Mixture A -- 4.0 4.0 4.0 -- Mixture B 4.0 -- -- -- 4.0 Dihydrogenated Tallowamidoethyl -- -- 1.0 1.0 -- Hydroxyethylmonium Methosulfate (1) Ditallowamidoethyl Hydroxy- -- -- -- -- 1.0 propylmonium Methosulfate (2) Citric Acid 1.0 0.88 1.0 1.0 1.0 Laureth 4 0.17 0.17 0.17 0.17 0.17 Monosodium Phosphate -- 0.1 -- -- -- Disodium Phosphate -- 0.2 -- -- -- Glycol Distearate 2.0 2.0 2.0 1.43 2.0 Cocomonoethanol amide 0.6 0.6 0.6 0.6 0.6 Fragrance 1.0 1.0 1.0 1.0 1.0 Cetyl Alcohol -- 0.42 0.42 -- 0.42 Trihydroxystearin 0.05 0.25 0.15 0.15 0.15 Polyquaternium 10 (JR30M) 0.15 -- -- -- 0.15 Guar Hydroxypropyltrimonium 0.15 0.3 0.3 0.3 0.15 Chloride (3) Dimethicone 0.25 0.5 0.25 1.0 0.25 DMDM Hydantoin 0.2 0.2 0.2 0.2 Water qs qs qs qs qs 100 100 100 100 100 Weight % Component VI VII VIII IX X Ammonium Laureth Sulfate 9.0 9.0 9.0 9.0 9.0 Ammonium Lauryl Sulfate 3.0 3.0 3.0 3.0 Lauroamphoacetate 6.0 6.0 6.0 6.0 6.0 Mixture A 4.0 -- 4.0 -- 4.0 Mixture B -- 4.0 -- -- -- Mixture C -- -- -- 4.0 -- Dihydrogenated Tallowamidoethyl 1.0 0.8 -- 1.0 1.0 Hydroxyethylmonium Methosulfate (1) PEG 14M 0.3 0.15 0.3 -- -- PEG 23M -- -- -- 0.3 0.15 Citric Acid 1.0 1.0 1.0 1.0 1.0 Laureth 4 0.17 0.17 0.17 0.17 0.17 Glycol Distearate 2.0 1.43 2.0 1.43 2.0 Fragrance 1.0 1.0 1.0 1.0 1.0 Cetyl Alcohol 0.42 -- 0.42 -- 0.42 Trihydroxystearin 0.15 0.05 0.25 0.15 0.15 Polyquaternium 10 (JR30M) 0.15 -- 0.15 -- 0.1 Guar Hydroxypropyltrimonium 0.15 0.3 0.15 0.3 0.2 Chloride (3) Dimethicone 0.25 0.25 1.0 0.25 -- DMDM Hydantoin 0.2 0.2 0.2 0.2 Water qs qs qs qs qs 100 100 100 100 100 (1) Available under the tradename Varisoft 110 from Sherex Chemical Co. (Dublin, Ohio, USA) (2) Available under the tradename Varisoft 238 from Sherex Chemical Co. (Dublin, Ohio, USA) (3) Available under the tradename Jaguar C-17 from Rhone-Poulenc. (Cranbury, New Jersey, USA)

Full	Title	Edation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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ROAD	Draw Desc	Image
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☐ 4. Document ID: US 6043204 A

L5: Entry 4 of 7

File: USPT

Mar 28, 2000

US-PAT-NO: 6043204

DOCUMENT-IDENTIFIER: US 6043204 A

TITLE: Body cleansing composition providing protection against sunburn after rinsing

DATE-ISSUED: March 28, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kaufman; Stacy R.	Weston	FL	33331	
Dulak; Michael	Coral Springs	FL	33065	

US-CL-CURRENT: 510/130; 424/59, 424/60

L5: Entry 4 of 7

File: USPT

Mar 28, 2000

DOCUMENT-IDENTIFIER: US 6043204 A

TITLE: Body cleansing composition providing protection against sunburn after rinsing

Detailed Description Paragraph Table (4):

	Ingredient
	Sunscreens: 2-ethylhexyl 7.5
p-methoxycinnamate 2-hydroxy-4-methoxy-	6.0 benzophenone Anionic cleansing agent:
Sodium Laureth sulfate 3.85 Sodium lauryl ether sulfate 1.05	Zwitterionic cleansing agent: 3.33 Cocoylamidopropylbetaine Volatile organic 5.0 liquid: n-Pentane
Non-volatile 5.0 organic liquid carrier: General Electric SF1528 Cyclomethicone	Dimethicone Copolyol Fixative: Polyquaternium 10 0.5 Preservative: 0.04 KATHON CG
isothiazolidinone compound Other ingredients: Cocoyldiethanolamide 3.33 Lauryl amine	oxide 0.75 Fragrance 1.0 water to 100 pH 6.5-7.5 Static SPF 24.5 SPF after rinse 8.0

Detailed Description Paragraph Table (6):

	Ingredient
	Sunscreens: 2-ethylhexyl 5.63
p-methoxycinnamate Octyl salicylate 3.75 2-hydroxy-4-methoxy-	4.5 benzophenone
Anionic cleansing agent: Sodium Laureth sulfate 3.85 Sodium lauryl ether sulfate	1.05 Zwitterionic cleansing agent: 3.33 Cocoylamidopropylbetaine Volatile organic
liquid: 5.0 n-Pentane Non-volatile 4.63 organic liquid carrier: General Electric	SF1528 Cyclomethicone Dimethicone Copolyol Fixative: 0.5 Polyquaternium 10
Preservative: 0.04 KATHON CG isothiazolidinone compound Other ingredients:	Cocoyldiethanolamide 3.33 Lauryl amine oxide 0.75 Fragrance 1.0 water to 100 pH
6.5-7.5 Static SPF 23.2 SPF after rinse 6.4	

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RWC	Draw Desc	Image
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☐ 5. Document ID: US 6040282 A

L5: Entry 5 of 7

File: USPT

Mar 21, 2000

US-PAT-NO: 6040282

DOCUMENT-IDENTIFIER: US 6040282 A

TITLE: Styling shampoo compositions which deliver improved hair curl retention and hair feel

DATE-ISSUED: March 21, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Guskey; Susan Marie	Montgomery	OH		
Inman; Everett Junior	Cincinnati	OH		
Desch; Teresa Ann	Loveland	OH		
Fritsch; Lynne Anne	Cincinnati	OH		
Killion; Stephanie Lynn	Cincinnati	OH		

US-CL-CURRENT: 510/119; 510/121, 510/123, 510/125, 510/130, 510/151, 510/155,  
510/398, 510/422, 510/426, 510/428, 510/434, 510/466, 510/470, 510/475, 510/503

L5: Entry 5 of 7

File: USPT

Mar 21, 2000

DOCUMENT-IDENTIFIER: US 6040282 A

TITLE: Styling shampoo compositions which deliver improved hair curl retention and hair feel

Detailed Description Paragraph Table (2):

	Mixture A. w/w ratio
	Styling Polymer: t-butyl
acrylate/2-ethylhexyl methacrylate 40	(90/10 w/w) Volatile Solvent: <u>isododecane</u> 60
	Mixture B. w/w ratio
	Styling Polymer: t-butyl
acrylate/2-ethylhexyl methacrylate 50	(90/10 w/w) Volatile Solvent: <u>isododecane</u> 50
	Mixture C. w/w ratio
	Styling Polymer: t-butyl
acrylate/2-ethylhexyl methacrylate/ 40	PDMS macromer (81/9/10 w/w; Polymer wt avg.
M.W. = 100,000) Volatile Solvent: <u>isododecane</u> 60	
	Weight % Component I II III IV V
	Ammonium Laureth 9.0 9.0 9.0 9.0 9.0 Sulfate
Ammonium Lauryl 3.0 3.0 3.0 3.0 3.0	Sulfate Lauroamphoacetate 6.0 6.0 6.0 6.0 6.0
Mixture A -- 4.0 4.0 4.0 -- Mixture B 4.0 -- -- -- 4.0	Dihydrogenated -- -- 1.0 1.0
-- Tallowamidoethyl Hydroxyethylmonium Methosulfate (1)	Ditallowamidoethyl -- -- --
-- 1.0 Hydroxypropylmonium Methosulfate (2) Citric Acid 1.0 0.88 1.0 1.0 1.0	<u>Laureth</u>
4 0.17 0.17 0.17 0.17 0.17 Monosodium Phosphate -- 0.1 -- -- --	Disodium Phosphate
-- 0.2 -- -- -- Glycol Distearate 2.0 2.0 2.0 1.43 2.0	Cocmonoethanol amide 0.6 0.6
0.6 0.6 0.6 Fragrance 1.0 1.0 1.0 1.0 1.0	Cetyl Alcohol -- 0.42 0.42 -- 0.42
Trihydroxystearin 0.05 0.25 0.15 0.15 0.15	Polyquaternium 10 0.15 -- -- -- 0.15
(JR30M) Guar Hydroxy- 0.15 0.3 0.3 0.3 0.15	propyltrimonium Chloride (3) <u>Dimethicone</u>
0.25 0.5 0.25 1.0 0.25 DMDM Hydantoin 0.2 0.2 0.2 0.2 0.2	Water qs 100 qs 100 qs 100
qs 100 qs 100	(1) Available under the
tradename Varisoft 110 from Sherex Chemical Co. (Dublin, Ohio, USA)	(2) Available
under the tradename Varisoft 238 from Sherex Chemical Co. (Dublin, Ohio, USA)	(3)
Available under the tradename Jaguar C17 from RhonePoulenc. (Cranbury New Jersey, USA)	

Full Title Citation Front Review Classification Date Reference Sequences Attachments

WWW Draw Desc Image

6. Document ID: US 5919440 A

L5: Entry 6 of 7

File: USPT

Jul 6, 1999

US-PAT-NO: 5919440

DOCUMENT-IDENTIFIER: US 5919440 A

TITLE: Personal care compositions containing an odor masking base

DATE-ISSUED: July 6, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kaiser; Carl-Eric	Cincinnati	OH		
Tremblay; Charles Raymond	Mason	OH		

US-CL-CURRENT: 424/76.4; 424/401, 424/78.02

L5: Entry 6 of 7

File: USPT

Jul 6, 1999

DOCUMENT-IDENTIFIER: US 5919440 A

TITLE: Personal care compositions containing an odor masking base

Detailed Description Paragraph Table (3):

Shampoo Compositions Component														Styling
														IX X XI
XII XIII WT % WT % WT % WT % WT %														Ammonium
Laureth Sulfate	10.5	9.5	10.0	2.0	14.0	Ammonium Lauryl Sulfate	0.5	--	--	--	--	--	--	
Lauroamphoacetate	7.0	--	--	--	--	Cocamidopropyl Betaine FB	--	4.3	4.0	6.0	2.7	--	--	
Mixture A	4.0	--	--	--	--	Mixture B	--	8.0	--	--	--	--	--	
Mixture D	--	--	--	3.0	6.0	Monosodium Phosphate	0.1	0.1	0.1	0.1	0.1	Disodium		
Phosphate	0.2	0.2	0.2	0.2	0.2	Glycol Distearate	2.0	2.0	2.0	2.0	2.0	Cocomonoethanol		
amide	0.6	0.6	0.6	0.6	0.6	Perfume Blend A	--	--	1.0	--	--	Perfume Blend B	--	1.0
--	--	--	--	--	--	Perfume Blend C	1.0	--	--	--	--	Perfume Blend D	--	--
0.42	0.42	--	0.42	0.60	Stearyl Alcohol	0.18	0.18	0.18	0.18	--	PEG-150			
Pentaerythrityl Tetrastearate	0.2	0.5	0.7	0.9	1.0	Polyquaternium 10 (JR30M)	--	0.3						
0.5	0.15	--	Polyquaternium 10 (JR400)	0.3	--	--	--	0.5	Dimethicone	--	0.3	0.3	--	--
DMDM Hydantoin	0.2	0.2	0.2	0.2	0.2	Water	qs	100	qs	100	qs	100	qs	100
														w/w ratio
Mixture A. Styling Polymer: t-butyl acrylate/2-ethylhexyl methacrylate (90/10 40w)														
Liquid carrier: isododecane 60 Mixture B. Styling Polymer: vinyl pyrrolidone/vinyl acetate (5/95 w/w) 50														
Liquid carrier: amyl benzoate 50 Mixture C. Styling Polymer: vinyl pyrrolidone/vinyl acetate (5/95 w/w) 50														
Liquid carrier: benzyl alcohol 50 Mixture D. Styling Polymer: vinyl pyrrolidone/vinyl acetate (5/95 w/w) 40														
Liquid carrier: diethyl succinate 60 XIV XV XVI XVII XVIII WT % WT % WT % WT % WT %														
														Ammonium
Laureth Sulfate	9.5	9.0	9.3	9.3	9.5	Ammonium Lauryl Sulfate	1.0	3.0	--	--	--	1.0		
Lauroamphoacetate	7.5	6.0	--	--	7.5	Cocamidopropyl Betaine FB	.sup.1	--	--	4.7	4.7	--		
Polyquaternium-16 (Luviquat FC 370)	.sup.2	2.0	3.0	3.0	1.5	2.5	Monosodium Phosphate							
0.1	0.1	0.1	0.1	0.1	Disodium Phosphate	0.2	0.2	0.2	0.2	0.2	Glycol Distearate	2.0	2.0	
2.0	2.0	2.0	Cocomonoethanol amide	0.6	0.6	0.6	0.6	0.6	Perfume Blend A	--	--	1.0	--	
1.0	Perfume Blend B	--	1.0	--	--	--	Perfume Blend C	1.0	--	1.0	--	Perfume Blend D	--	--
--	--	--	1.0	--	--	--	Cetyl Alcohol	0.07	--	0.42	0.42	0.14	Stearyl Alcohol	0.03
0.18	0.06	PEG-150	Pentaerythrityl Tetrastearate	0.1	0.15	--	0.08	0.20	Polyquaternium					
10 (JR30M)	.sup.3	0.3	--	0.3	--	0.2	Polyquaternium 10 (JR400)	.sup.3	--	--	--	0.4	--	
Guar Hydroxypropyltrimonium Chloride	--	0.3	--	--	--	--	(Jaguar C-17)	.sup.4	Dimethicone					
0.25	--	--	--	--	--	--	DMDM Hydantoin	0.2	0.2	0.2	0.2	Water	qs	100
100	qs	100												
														.sup.1
Available from Goldschmidt (Hopewell, Virginia, USA)														.sup.2
Available from BASF (Ludwigshafen, Germany)														.sup.3
Available from Amerchol Corp. (Edison, NJ, USA)														.sup.4
Available from RhonePoulenc (Cranbury NJ, USA)														

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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Form	Draw Desc	Image
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7. Document ID: US 5135741 A

L5: Entry 7 of 7

File: USPT

Aug 4, 1992

US-PAT-NO: 5135741

DOCUMENT-IDENTIFIER: US 5135741 A

TITLE: Antiperspirant product

DATE-ISSUED: August 4, 1992

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Park; Andrew C.	Merseyside			GB2

US-CL-CURRENT: 424/66; 424/68, 514/937

L5: Entry 7 of 7

File: USPT

Aug 4, 1992

DOCUMENT-IDENTIFIER: US 5135741 A

TITLE: Antiperspirant product

Brief Summary Text (27):

The emollient liquid may be a polar liquid such as (1) a water-miscible polyoxyalkylene glycol or a water-miscible partial butyl ether thereof; (2) hexylene glycol; (3) a C.sub.1 -C.sub.4 alkyl monoether of a simple or condensed C.sub.2 -C.sub.4 alkylene glycol for example dipropylene glycol monomethyl ether; or (4) 2-ethyl-1,3-hexane diol. Such materials (1), (2), (3) and (4) have previously been suggested for use in powder suspension aerosol antiperspirants in, respectively, British Patents 1 300 260, 1 329 011, 1 369 872 and 1 409 533 (all to Unilever) from which patents more information concerning particularisation of these groups of carrier media can be obtained and whose disclosures are incorporated herein by reference. Other commercially available hydrophilic materials which are suitable are Pluronic (e.g. Poloxamer 101, Poloxamer 105, Poloxamer 181, Poloxamer 182), Carbowaxes (e.g. PEG-4, PEG-8, PEG-12), Witconol APEM (PPG-3 Myreth-3), Witconol APES (PPG-9 Steareth-3), Standamul OXL (PPG-10 Cetearth-20), Procetyl AWS Modified (PPG-8 Ceteth-2). Glycols and their citrate, lactate and tartrate esters as taught in Canadian Patents 1 121 728; 1 121 729 and 1 121 730 can also be used. Hydrophilic materials which are especially useful are the dimethicone copolyols which are polymers of dimethylsiloxane with polyoxyethylene and/or polyoxypropylene side chains. Examples of these are SILWET L-720, L-7600 and L-7610 from Union Carbide, Silicone 190 and 193 surfactants both from Dow Corning and ABIL B 8842, 8843 and 8851 from Goldschmidt. These dimethicone copolyols are also referred to in the literature as polyalkylene oxide modified dimethylpolysiloxanes, as silicone glycol copolymers and as polysilicone polyether copolymers. Dimethyl isosorbide is a further example of a suitable hydrophilic liquid.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RMK	Draw Desc	Image
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L4 same dimethicone

7

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=> s rhoplex  
L1 411 RHOPLEX

=> s rhoplex ac33  
411 RHOPLEX  
1 AC33  
L2 0 RHOPLEX AC33  
(RHOPLEX(W)AC33)

=> s rhoplex  
L3 411 RHOPLEX

=> s acryloid  
L4 253 ACRYLOID

=> s L3 and L4  
L5 7 L3 AND L4

=> d L5 1-7/cn



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=> d L5/cn 1-7

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=> d L5 cn 1-7

L5 ANSWER 1 OF 7 REGISTRY COPYRIGHT 2002 ACS

CN Rubber, synthetic, acrylic (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Acrylic rubber

OTHER NAMES:

CN 20LAR

CN 315HVS

CN 4051EP

CN 4052EP

CN 4054EP

CN 8586B

CN A 275

CN AC 3355

CN ACM 2323

CN Acron 825

CN Acron AR 801

CN Acron AR 825

CN Acronal 500D

CN Acrylate rubber

CN Acrylate synthetic rubber

CN Acrylic synthetic rubber

CN **Acryloid 7709XP**

CN **Acryloid E 653**

CN **Acryloid EXL 2313**

CN **Acryloid HIA 80**

CN **Acryloid KM 355**

CN Acrymul 117R

CN AL-II 2

CN AR 100

CN AR 15

CN AR 300

CN AR 42

CN AR 54

CN AR 6

CN AR 6 (rubber)

CN AR 72

CN AR 801

CN Aresugomutekkusu

CN Arex 100

CN Arex 213

CN Arex 220  
CN Arex 290  
CN Aron Tac S 1015  
CN Aron Tac S 3403  
CN AS 406  
CN BNEF  
CN Carbotac XPD 1814  
CN Compactal ACU  
CN CV 350  
CN Cyanacryl C  
CN Cyanacryl L  
CN Cyanacryl LT 3  
CN DAP 230  
CN DAP Alex  
CN **Rhoplex E 3534**  
CN **Rhoplex GL 618**

ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for  
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L5 ANSWER 2 OF 7 REGISTRY COPYRIGHT 2002 ACS

CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with butyl 2-propenoate  
and 2-propenoic acid (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 2-Propenoic acid, butyl ester, polymer with methyl 2-methyl-2-propenoate  
and 2-propenoic acid (9CI)  
CN 2-Propenoic acid, polymer with butyl 2-propenoate and methyl  
2-methyl-2-propenoate (9CI)  
CN Acrylic acid butyl ester, polymer with acrylic acid and methyl  
methacrylate (8CI)  
CN Acrylic acid, polymer with butyl acrylate and methyl methacrylate (8CI)  
CN Methacrylic acid methyl ester, polymer with acrylic acid and butyl  
acrylate (8CI)

OTHER NAMES:

CN Acrylic acid-butyl acrylate-methyl methacrylate copolymer  
CN Acrylic acid-butyl acrylate-methyl methacrylate polymer  
CN Acrylic acid-butyl acrylate-methyl methacrylate polymers  
CN Acrylic acid-methyl methacrylate-butyl acrylate copolymer  
CN Acrylic acid-n-butyl acrylate-methyl methacrylate copolymer  
CN **Acryloid B 48S**  
CN Butyl acrylate-acrylic acid-methyl methacrylate copolymer  
CN Butyl acrylate-methyl methacrylate-acrylic acid copolymer  
CN Methyl methacrylate-acrylic acid-butyl acrylate copolymer  
CN Methyl methacrylate-butyl acrylate-acrylic acid copolymer  
CN Primal B 505  
CN **Rhoplex B 505**  
CN Romacril EA 84B

L5 ANSWER 3 OF 7 REGISTRY COPYRIGHT 2002 ACS

CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with butyl 2-propenoate  
(9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 2-Propenoic acid, butyl ester, polymer with methyl 2-methyl-2-propenoate  
(9CI)  
CN Acrylic acid butyl ester, polymer with methyl methacrylate (8CI)  
CN Methacrylic acid methyl ester, polymer with butyl acrylate (8CI)

OTHER NAMES:

CN ACP 450  
CN **Acryloid B 50S**  
CN **Acryloid K 125P**  
CN **Acryloid K 130P**  
CN ARX 15  
CN Butyl acrylate-methyl methacrylate copolymer  
CN Butyl acrylate-methyl methacrylate polymer

CN Crilorom D 2010  
 CN CS 4000  
 CN Dakril 4B  
 CN Dakriloid  
 CN Degalan 8  
 CN E 330  
 CN Fuller PD 661  
 CN Galiko 14  
 CN Hipet HBA  
 CN Hipet HBS  
 CN Hipet HBS 000  
 CN HLC 802A  
 CN IV 82  
 CN IV 83  
 CN K 125P  
 CN K 130P  
 CN Kaneace X 210  
 CN Korad D  
 CN KP 709  
 CN Lakris 95  
 CN Lo-Tac  
 CN Lucidine 603  
 CN Metablen P 350A  
 CN Metablen P 530A  
 CN Metablen P 531  
 CN Metablen P 552  
 CN Methyl methacrylate-butyl acrylate copolymer  
 CN Methyl methacrylate-butyl acrylate polymer  
 CN Methyl methacrylate-n-butyl acrylate copolymer  
 CN Morez 101  
 CN Movinyl DM 772  
 CN Mowinyl DM 772  
 CN n-Butyl acrylate-methyl methacrylate copolymer  
 CN n-Butyl acrylate-methyl methacrylate polymer  
 CN P 530A  
 CN P 552  
 CN Paraloid K 125P  
 CN Paraloid K 130P  
 CN PD 661  
 CN Plexiglas DR  
 CN **Rhoplex AC 507**  
 CN **Rhoplex AC 604**  
 CN **Rhoplex ASE 60**  
 CN **Rhoplex CS 4000**  
 CN **Rhoplex E 1018**  
 CN **Rhoplex E 330**

ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for  
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L5 ANSWER 4 OF 7 REGISTRY COPYRIGHT 2002 ACS

CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with butyl 2-propenoate  
 and ethyl 2-propenoate (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 2-Propenoic acid, butyl ester, polymer with ethyl 2-propenoate and methyl  
 2-methyl-2-propenoate (9CI)  
 CN 2-Propenoic acid, ethyl ester, polymer with butyl 2-propenoate and methyl  
 2-methyl-2-propenoate (9CI)  
 CN Acrylic acid butyl ester, polymer with ethyl acrylate and methyl  
 methacrylate (8CI)  
 CN Acrylic acid ethyl ester, polymer with butyl acrylate and methyl  
 methacrylate (8CI)  
 CN Methacrylic acid methyl ester, polymer with butyl acrylate and ethyl  
 acrylate (8CI)

OTHER NAMES:

CN **Acryloid K 125**  
CN Butyl acrylate-ethyl acrylate-methyl methacrylate polymer  
CN Butyl acrylate-ethyl acrylate-methyl methacrylate copolymer  
CN Diakon APA 5  
CN Ethyl acrylate-methyl methacrylate-butyl acrylate polymer  
CN Methyl methacrylate-ethyl acrylate-butyl acrylate copolymer  
CN Paraloid K 125  
CN Primal B 60A  
CN **Rhoplex B 60A**

L5 ANSWER 5 OF 7 REGISTRY COPYRIGHT 2002 ACS

CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 2-propenoic acid  
(9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 2-Propenoic acid, polymer with methyl 2-methyl-2-propenoate (9CI)  
CN Acrylic acid, polymer with methyl methacrylate (8CI)  
CN Methacrylic acid methyl ester, polymer with acrylic acid (8CI)

OTHER NAMES:

CN Acrylic acid-methyl methacrylate copolymer  
CN Acrylic acid-methyl methacrylate polymer  
CN **Acryloid B 48M**  
CN B 74  
CN F 75  
CN F 75 (polymer)  
CN Joncryl 85  
CN KRAS 15M  
CN KRAS 25M  
CN Methyl methacrylate-acrylic acid copolymer  
CN Methyl methacrylate-acrylic acid polymer  
CN OCF-P 701  
CN Paraloid B 48M  
CN Poly(methyl methacrylate-acrylic acid)  
CN Primal B 74  
CN **Rhoplex B 74**  
CN X 597-772E  
CN X-MK 4S

L5 ANSWER 6 OF 7 REGISTRY COPYRIGHT 2002 ACS

CN 2-Propenoic acid, 2-methyl-, methyl ester, homopolymer (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 1000L  
CN 1000L (methacrylic polymer)  
CN 100B  
CN 50N  
CN 50N (polymer)  
CN 560F  
CN 821T  
CN 8N  
CN A 21LV  
CN Acrivue  
CN Acron  
CN Acronal S 320D  
CN Acry Sirup DR 510  
CN Acry Sirup SY 102  
CN Acry Sirup SY 102C  
CN Acry Sirup SY 430  
CN Acryace E  
CN Acrybase 24  
CN Acrycon ACPI  
CN Acryfix  
CN Acrylar 2416

CN Acrylex CM 211  
 CN Acrylite  
 CN Acrylite 001  
 CN Acrylite 240  
 CN Acrylite AR  
 CN Acrylite E 001  
 CN Acrylite EX  
 CN Acrylite FF  
 CN Acrylite GP  
 CN Acrylite H 12  
 CN Acrylite H 15-003  
 CN Acrylite HR  
 CN Acrylite L  
 CN Acrylite LN 084  
 CN Acrylite MR  
 CN Acrylite OP 4  
 CN Acrylite S  
 CN Acrylite S 001  
 CN Acrylite VH  
 CN **Acryloid A 101**  
 CN **Acryloid A 102**  
 CN **Acryloid A 15**  
 CN **Acryloid A 21**  
 CN **Acryloid K 400**  
 CN Acrylub 101  
 CN Acrylub 102  
 CN Acrypet  
 CN Acrypet 001S  
 CN Acrypet HBX 189  
 CN **Rhoplex B 85**  
 CN **Rhoplex latex B 85**

ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for  
 DISPLAY

L5 ANSWER 7 OF 7 REGISTRY COPYRIGHT 2002 ACS

CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with ethyl 2-propenoate  
 (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 2-Propenoic acid, ethyl ester, polymer with methyl 2-methyl-2-propenoate  
 (9CI)

CN Acrylic acid ethyl ester, polymer with methyl methacrylate (8CI)

CN Methacrylic acid methyl ester, polymer with ethyl acrylate (8CI)

OTHER NAMES:

CN 2817D

CN **Acryloid B 44S**

CN **Acryloid B 72**

CN **Acryloid B 82**

CN **Acryloid K 120N**

CN **Acryloid K 120NL**

CN **Acryloid K 147**

CN Altuglas 9E

CN Altulite 2773

CN Cevian A 45000

CN CP 41

CN CP 41 (acrylate polymer)

CN Daitosol 5000AD

CN Diakon APA 1

CN Diakon MG 102

CN Dianal BR 64

CN Elvacite EX 2612

CN Ethyl acrylate-methyl methacrylate copolymer

CN Ethyl acrylate-methyl methacrylate polymer

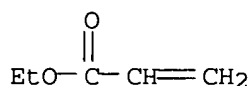
CN Eudragit E 30D

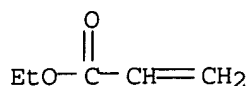
CN Eudragit NE 30D  
 CN Flexbond 984  
 CN K 120N  
 CN K 147  
 CN Kollicoat EMM 30D  
 CN Lucite 30  
 CN Methyl methacrylate-ethyl acrylate copolymer  
 CN Methyl methacrylate-ethyl acrylate polymer  
 CN MG 102  
 CN NeoCryl BT 20  
 CN New Coat PV 400  
 CN New Coat PV 412  
 CN Oroglas V 825T  
 CN PA 20  
 CN PA 20 (acrylic polymer)  
 CN Paraloid B 44S  
 CN Paraloid B 72  
 CN Paraloid B 82  
 CN Paraloid K 120N  
 CN Paraloid K 120NL  
 CN Plexiglas VS 100  
 CN Plexigum MB 319  
 CN Preparation 2817D  
 CN Primal AC 22  
 CN Primal AC 33  
 CN Primal B 52  
 CN **Rhoplex AC 22**  
 CN **Rhoplex AC 33**  
 CN **Rhoplex AC 35**  
 CN **Rhoplex B 52**  
 ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for  
 DISPLAY

=> d L5 7 all

L5 ANSWER 7 OF 7 REGISTRY COPYRIGHT 2002 ACS  
 RN 9010-88-2 REGISTRY  
 CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with ethyl 2-propenoate  
 (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN 2-Propenoic acid, ethyl ester, polymer with methyl 2-methyl-2-propenoate  
 (9CI)  
 CN Acrylic acid ethyl ester, polymer with methyl methacrylate (8CI)  
 CN Methacrylic acid methyl ester, polymer with ethyl acrylate (8CI)  
 OTHER NAMES:  
 CN 2817D  
 CN **Acryloid B 44S**  
 CN **Acryloid B 72**  
 CN **Acryloid B 82**  
 CN **Acryloid K 120N**  
 CN **Acryloid K 120NL**  
 CN **Acryloid K 147**  
 CN Altuglas 9E  
 CN Altulite 2773  
 CN Cevian A 45000  
 CN CP 41  
 CN CP 41 (acrylate polymer)  
 CN Daitosol 5000AD  
 CN Diakon APA 1  
 CN Diakon MG 102  
 CN Dianal BR 64  
 CN Elvacite EX 2612

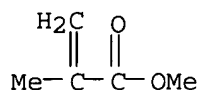
CN Ethyl acrylate-methyl methacrylate copolymer  
 CN Ethyl acrylate-methyl methacrylate polymer  
 CN Eudragit E 30D  
 CN Eudragit NE 30D  
 CN Flexbond 984  
 CN K 120N  
 CN K 147  
 CN Kollicoat EMM 30D  
 CN Lucite 30  
 CN Methyl methacrylate-ethyl acrylate copolymer  
 CN Methyl methacrylate-ethyl acrylate polymer  
 CN MG 102  
 CN NeoCryl BT 20  
 CN New Coat PV 400  
 CN New Coat PV 412  
 CN Oroglas V 825T  
 CN PA 20  
 CN PA 20 (acrylic polymer)  
 CN Paraloid B 44S  
 CN Paraloid B 72  
 CN Paraloid B 82  
 CN Paraloid K 120N  
 CN Paraloid K 120NL  
 CN Plexiglas VS 100  
 CN Plexigum MB 319  
 CN Preparation 2817D  
 CN Primal AC 22  
 CN Primal AC 33  
 CN Primal B 52  
 CN **Rhoplex AC 22**  
 CN **Rhoplex AC 33**  
 CN **Rhoplex AC 35**  
 CN **Rhoplex B 52**  
 CN Romacril ER  
 CN Rowney Cryla  
 CN Sokrat 602  
 CN Sumipex LG 35  
 CN Ucecryl H  
 CN VS 100  
 CN Yodo Sol GH 28  
 DR 9011-72-7, 9046-85-9, 9048-98-0, 53986-74-6, 54018-07-4, 54183-02-7,  
 55719-51-2, 60318-38-9, 62534-36-5, 63251-48-9, 97794-17-7, 98036-92-1,  
 99550-83-1, 51109-48-9, 51311-84-3, 51801-09-3, 52019-30-4, 136303-31-6,  
 37199-58-9, 72394-19-5, 72626-02-9, 85897-95-6, 30174-68-6, 39301-09-2,  
 39390-68-6, 107950-48-1, 211629-39-9  
 MF (C5 H8 O2 . C5 H8 O2)x  
 CI PMS, COM  
 PCT Polyacrylic  
 LC STN Files: BIOBUSINESS, BIOSIS, CA, CAPLUS, CHEMCATS, CHEMLIST, CIN,  
 CSCHEM, DDFU, DRUGU, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MSDS-OHS,  
 PIRA, PROMT, TOXCENTER, USPAT2, USPATFULL  
 Other Sources: DSL\*\*, TSCA\*\*  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)  
 CM 1  
 CRN 140-88-5  
 CMF C5 H8 O2





CM 2

CRN 80-62-6  
CMF C5 H8 O2



2084 REFERENCES IN FILE CA (1962 TO DATE)  
54 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
2085 REFERENCES IN FILE CAPLUS (1962 TO DATE)

# REFERENCE 1

AN 137:358127 CA  
TI Sustained release drug delivery system containing prodrugs  
IN Chen, Jianbing; Ashton, Paul; Smith, Thomas J.  
PA Control Delivery Systems, Inc., USA  
SO PCT Int. Appl., 75 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
IC ICM A61K031-513  
ICS A61L031-16; A61P035-00; A61K031-513; A61K031-192; A61K031-58  
CC 63-6 (Pharmaceuticals)  
Section cross-reference(s): 1

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002087586	A1	20021107	WO 2002-US13385	20020426
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW:				
	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
PRAI	US 2001-286343P		20010426		
	US 2001-322428P		20010917		
	US 2002-372761P		20020415		
AB	Disclosed is a sustained release system that includes a polymer and a prodrug having a soly. less than about 1 mg/mL dispersed in the polymer. Advantageously, the polymer is permeable to the prodrug and may be non-release rate limiting with respect to the rate of release of the prodrug from the polymer. This permits improved drug delivery within a body in the vicinity of a surgery via sustained release rate kinetics over a prolonged period of time, while not requiring complicated manufg. processes. To 20 gm of 10% aq. poly(vinyl alc.) (PVA) soln., 80.5 mg prodrug TC-112 (a prodrug of 5-fluorouracil and naproxen via HCHO linker) was dispersed. Glass plates were then dip-coated with this TC-1 12/PVA suspension and followed by air-drying. The coating and air-drying was				



repeated 4 more times. At the end about 100 mg TC-112/PVA was coated on each glass plate. The coated glass plates were then heat treated at 135.degree. for 5 h. After cooling to room temp., the glass plates were individually placed in 20 mL of 0.1M phosphate buffer (pH 7.4, 37.degree.) for release test. TC-112 is released at 10 .mu.g/day.

ST sustained release drug delivery prodrug  
IT Immunomodulators  
Solubility  
(Sustained release drug delivery system contg. prodrugs)  
IT Polymers, biological studies  
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(Sustained release drug delivery system contg. prodrugs)  
IT Steroids, biological studies  
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(angiostatic; sustained release drug delivery system contg. prodrugs)  
IT Blood vessel  
Heart  
(artificial; sustained release drug delivery system contg. prodrugs)  
IT Medical goods  
(catheters, venous; sustained release drug delivery system contg. prodrugs)  
IT Medical goods  
(catheters; sustained release drug delivery system contg. prodrugs)  
IT Circulation  
(extracorporeal, devices; sustained release drug delivery system contg. prodrugs)  
IT Filters  
(for blood; sustained release drug delivery system contg. prodrugs)  
IT Dialyzers  
(hemodialyzers; sustained release drug delivery system contg. prodrugs)  
IT Perfusion  
(hemoperfusion, devices for; sustained release drug delivery system contg. prodrugs)  
IT Prosthetic materials and Prosthetics  
(implants, artificial heart pacemaker; sustained release drug delivery system contg. prodrugs)  
IT Drug delivery systems  
(implants, sustained-release; sustained release drug delivery system contg. prodrugs)  
IT Drug delivery systems  
(injections, sustained release; sustained release drug delivery system contg. prodrugs)  
IT Medical goods  
(intraaortic balloons; sustained release drug delivery system contg. prodrugs)  
IT Polyesters, biological studies  
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(lactic acid-based; sustained release drug delivery system contg. prodrugs)  
IT Screws  
(medical; sustained release drug delivery system contg. prodrugs)  
IT Anti-inflammatory agents  
(nonsteroidal; sustained release drug delivery system contg. prodrugs)  
IT Polyethers, biological studies  
RL: DEV (Device component use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(ortho ester group-contg.; sustained release drug delivery system contg. prodrugs)  
IT Heart  
(pacemaker, artificial; sustained release drug delivery system contg. prodrugs)  
IT Urethane rubber, biological studies  
RL: DEV (Device component use); THU (Therapeutic use); BIOL (Biological

study); USES (Uses)  
 (polycarbonate-; sustained release drug delivery system contg. prodrugs)

IT Synthetic rubber, biological studies  
 RL: DEV (Device component use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (polycarbonate-polyurethane; sustained release drug delivery system contg. prodrugs)

IT Drug delivery systems  
 (prodrugs; Sustained release drug delivery system contg. prodrugs)

IT Medical goods  
 (stents; sustained release drug delivery system contg. prodrugs)

IT Anti-inflammatory agents  
 Antibiotics  
 Antiglaucoma agents  
 Antitumor agents  
 Antiviral agents  
 Body fluid  
 Coating materials  
 Electric conductors  
 Electric contacts  
 Medical goods  
 Parasitocides  
 Prosthetic materials and Prosthetics  
 Valves  
 (sustained release drug delivery system contg. prodrugs)

IT Polyanhydrides  
 Polysiloxanes, biological studies  
 Polyurethanes, biological studies  
 RL: DEV (Device component use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (sustained release drug delivery system contg. prodrugs)

IT Anthracyclines  
 Corticosteroids, biological studies  
 Glucocorticoids  
 Polyesters, biological studies  
 RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (sustained release drug delivery system contg. prodrugs)

IT Drug delivery systems  
 (sustained-release; Sustained release drug delivery system contg. prodrugs)

IT Medical goods  
 (sutures; sustained release drug delivery system contg. prodrugs)

IT Medical goods  
 (tubes; sustained release drug delivery system contg. prodrugs)

IT Heart  
 (valve, artificial; sustained release drug delivery system contg. prodrugs)

IT Medical goods  
 (ventricular assist pumps; sustained release drug delivery system contg. prodrugs)

IT Alkaloids, biological studies  
 RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (vinca; sustained release drug delivery system contg. prodrugs)

IT 50-23-7D, Hydrocortisone, prodrugs 50-24-8D, Prednisolone, prodrugs  
 50-44-2D, 6-Mercaptopurine, prodrugs 50-91-9D, 2'-Deoxy-5-fluorouridine,  
 prodrugs 51-21-8D, 5-Fluorouracil, prodrugs 53-03-2D, Prednisone,  
 prodrugs 53-06-5D, Cortisone, prodrugs 54-25-1D, 6-Azauridine,  
 prodrugs 67-73-2D, Fluocinolone acetonide, prodrugs 70-00-8D,  
 5-Trifluoromethyl-2'-deoxyuridine, prodrugs 76-25-5D, Triamcinolone  
 acetonide, prodrugs 120-73-0D, Purine, analogs 147-94-4D, prodrugs  
 152-97-6D, Fluocortolone, prodrugs 154-42-7D, 6-Thioguanine, prodrugs  
 289-95-2D, Pyrimidine, analogs 316-46-1D, 5-Fluorouridine, prodrugs

378-44-9D, Betamethasone, prodrugs 382-67-2D, Deoxymethasone, prodrugs  
 638-94-8D, Desonide, prodrugs 807-38-5D, Fluocinolone, prodrugs  
 1524-88-5D, Flurandrenolide, prodrugs 2022-85-7D, Fluorocytosine,  
 prodrugs 2135-17-3D, Flumethasone, prodrugs 2169-64-4D, Azaribine,  
 prodrugs 2193-87-5D, Fluprednidene, prodrugs 2353-33-5D,  
 5-Aza-2'-deoxycytidine, prodrugs 2557-49-5D, Diflorasone, prodrugs  
 3094-09-5D, 5'-Deoxy-5-fluorouridine, prodrugs 3131-60-0D, 6-Azacytidine  
 , prodrugs 3385-03-3D, Flunisolide, prodrugs 4291-63-8D, Cladribine,  
 prodrugs 4419-39-0D, Beclomethasone, prodrugs 5104-49-4D, Flurbiprofen  
 , prodrugs 9002-89-5, Poly(vinyl alcohol) 9010-88-2, Eudragit NE 30D  
 15307-86-5D, Diclofenac, prodrugs 15687-27-1D, Ibuprofen, prodrugs  
 15802-18-3D, Cyanoacrylic acid, alkyl esters, polymers 22071-15-4D,  
 Ketoprofen, prodrugs 22204-53-1D, Naproxen, prodrugs 23205-42-7D,  
 3-Deazauridine, prodrugs 24937-78-8, EVA 25122-41-2D, Clobetasol,  
 prodrugs 26009-03-0, Poly(glycolic acid) 26023-30-3,  
 Poly[oxy(1-methyl-2-oxo-1,2-ethanediyl)] 26100-51-6, Poly(lactic acid)  
 26124-68-5, Poly(glycolic acid) 29679-58-1D, Fenoprofen, prodrugs  
 30868-30-5D, Pyrazofurin, prodrugs 31698-14-3D, Cyclocytidine, prodrugs  
 36322-90-4D, Piroxicam, prodrugs 42924-53-8D, Nabumetone, prodrugs  
 51321-79-0D, N-Phosphonoacetyl-L-aspartic acid, prodrugs 51333-22-3D,  
 Budesonide, prodrugs 53910-25-1D, Pentostatin, prodrugs 54063-32-0D,  
 Clobetasone, prodrugs 65886-71-7D, prodrugs 67452-97-5D, Alclometasone  
 , prodrugs 74103-06-3D, Ketorolac, prodrugs 75607-67-9D, Fludarabine  
 phosphate, prodrugs 83919-23-7D, Mometasone furoate, prodrugs  
 86401-95-8D, Methylprednisolone aceponate, prodrugs 90566-53-3D,  
 Fluticasone, prodrugs 144459-70-1D, Rofleponide, prodrugs 474274-51-6  
 474274-52-7 474274-53-8 474459-70-6, 3-TC-112 474459-71-7, TC 70.1  
 474459-72-8, TC 32

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (sustained release drug delivery system contg. prodrugs)

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD

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- (2) Geller, E; US 6159488 A 2000 CAPLUS
- (3) Ingrams, D; THE ANNALS OF OTOTOLOGY, RHINOLOGY, AND LARYNGOLOGY 2000,  
 V109(4), P422 MEDLINE

#### REFERENCE 2

AN 137:353650 CA  
 TI Binary Interaction Energy Densities for Blends of Styrene/Acrylonitrile  
 Copolymers with Methyl Methacrylate/n-Alkyl Acrylate Copolymers  
 AU Zhu, Shixiong; Paul, Donald R.  
 CS Department of Chemical Engineering and Texas Materials Institute,  
 University of Texas, Austin, TX, 78712, USA  
 SO Macromolecules (2002), 35(21), 8227-8238  
 CODEN: MAMOBX; ISSN: 0024-9297  
 PB American Chemical Society  
 DT Journal  
 LA English  
 CC 36-6 (Physical Properties of Synthetic High Polymers)  
 AB Isothermal miscibility maps for blends of styrene-acrylonitrile (SAN)  
 copolymers with Me methacrylate (MMA) copolymers contg. n-alkyl acrylates  
 (xA) have been detd. at 120 .degree.C. The miscibility region increases  
 and then decreases as the size of the n-alkyl pendant group increases.  
 Binary interaction energy densities for various monomer unit pairs were  
 evaluated from the miscibility data by both the copolymer/crit. mol. wt.  
 and the copolymer compn. mapping approaches using the Flory-Huggins theory  
 combined with the binary interaction model. Values of binary interaction  
 energy densities obtained from both approaches, with the aid of an  
 appropriate data fitting algorithm, agreed very well with each other.  
 Trends in binary interaction energy densities involving the various  
 n-alkyl acrylate units, BMMA/xA, BS/xA, and BAN/xA, could be roughly  
 predicted by the simple soly. parameter theory. Trends in the deviations

from the geometric mean assumption,  $k_{ij}$ , were qual. explained in terms of monomer mol. characteristics, esp. polarity, monomer size, and first ionization potential.

- ST styrene acrylonitrile copolymer blend interaction energy density;  
methacrylate copolymer blend interaction energy density; acrylate  
copolymer blend interaction energy density
- IT Glass transition temperature  
Miscibility  
Solubility  
(binary interaction energy densities for blends of styrene-  
acrylonitrile copolymers with Me methacrylate-alkyl acrylate  
copolymers)
- IT Polymer blends  
RL: PRP (Properties)  
(binary interaction energy densities for blends of styrene-  
acrylonitrile copolymers with Me methacrylate-alkyl acrylate  
copolymers)
- IT 9003-54-7, Acrylonitrile-styrene copolymer 9010-88-2, Ethyl  
acrylate-methyl methacrylate copolymer 9011-87-4, Methyl acrylate-methyl  
methacrylate copolymer 25852-37-3, Butyl acrylate-methyl methacrylate  
copolymer 28574-70-1, Decyl acrylate-methyl methacrylate copolymer  
30231-51-7, Methyl methacrylate-propyl acrylate copolymer 33773-70-5,  
Hexyl acrylate-methyl methacrylate copolymer  
RL: POF (Polymer in formulation); PRP (Properties); USES (Uses)  
(binary interaction energy densities for blends of styrene-  
acrylonitrile copolymers with Me methacrylate-alkyl acrylate  
copolymers)
- IT 25036-19-5, Methyl acrylate-styrene copolymer 25066-97-1, Ethyl  
acrylate-styrene copolymer 25767-47-9, Butyl acrylate-styrene copolymer  
52496-52-3, Hexyl acrylate-styrene copolymer 88357-65-7, Propyl  
acrylate-styrene copolymer 474459-35-3, Decyl acrylate-styrene copolymer  
RL: PRP (Properties)  
(binary interaction energy densities for blends of styrene-  
acrylonitrile copolymers with Me methacrylate-alkyl acrylate  
copolymers)
- RE.CNT 69 THERE ARE 69 CITED REFERENCES AVAILABLE FOR THIS RECORD
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Parameters 1983
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- (69) Ziaee, S; J Polym Sci, Part B: Polym Phys 1997, V35, P831 CAPLUS

# REFERENCE 3

AN 137:346190 CA  
 TI Methods and sustained-release compositions using ranolazine for treating angina  
 IN Wolff, Andrew A.  
 PA CV Therapeutics, Inc., USA  
 SO U.S., 14 pp., Cont.-in-part of U.S. Ser. No. 321,522.  
 CODEN: USXXAM  
 DT Patent  
 LA English  
 IC ICM A61K031-495  
 ICS A61K031-50  
 NCL 514252170  
 CC 1-8 (Pharmacology)

## Section cross-reference(s) : 63

FAN.CNT 4

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	US 6479496	B1	20021112	US 2000-520932	20000308
	US 6303607	B1	20011016	US 1999-321522	19990527
	US 6369062	B1	20020409	US 2000-538337	20000329
	WO 2001066093	A2	20010913	WO 2001-US7287	20010307
	WO 2001066093	A3	20020314		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	US 2002004506	A1	20020110	US 2001-925871	20010809
	US 2002090396	A1	20020711	US 2001-41521	20011019
PRAI	US 1998-99804P		19980910		
	US 1999-321522		19990527		
	US 2000-520932		20000308		
	US 2000-538337		20000329		
AB	A sustained-release ranolazine formulation contains an intimate mixt. of ranolazine and a partially neutralized pH-dependent binder to form a film that is mostly insol. in aq. media below pH 4.5 and sol. in aq. media above pH 4.5. The formulation is suitable for twice daily administration of ranolazine and is useful for controlling the rate of dissoln. of ranolazine, and to maintain human plasma ranolazine levels at between 850 and 4000 ng base/mL.				
ST	ranolazine sustained release pharmaceutical angina treatment				
IT	Heart, disease				
	(angina pectoris; ranolazine sustained-release compns. for treating angina)				
IT	Drug delivery systems				
	(capsules; ranolazine sustained-release compns. for treating angina)				
IT	Anti-ischemic agents				
	Exercise				
	Human				
	Ischemia				
	Pharmacokinetics				
	(ranolazine sustained-release compns. for treating angina)				
IT	Drug delivery systems				
	(tablets, enteric-coated; ranolazine sustained-release compns. for treating angina)				
IT	Drug delivery systems				
	(tablets, sustained-release; ranolazine sustained-release compns. for treating angina)				
IT	95635-55-5, Ranolazine				
	RL: ADV (Adverse effect, including toxicity); PAC (Pharmacological activity); PKT (Pharmacokinetics); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)				
	(ranolazine sustained-release compns. for treating angina)				
IT	95635-56-6				
	RL: PAC (Pharmacological activity); PKT (Pharmacokinetics); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)				
	(ranolazine sustained-release compns. for treating angina)				
IT	557-04-0, Magnesium stearate 9003-39-8 9004-34-6, Avicel, biological studies 9004-65-3, Methocel E5 9010-88-2, Eudragit NE 30D 25212-88-8, Eudragit L 100-55 74811-65-7, Croscarmellose sodium 147335-38-4, Eudragit NE 40D				
	RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)				

(ranolazine sustained-release compns. for treating angina)

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD

(1) Dow; US 5906988 A 1999 CAPLUS

(2) Macfarlane; US 5209933 A 1993 CAPLUS

(3) Schoffling; Arneiformlehre 1998, P193

#### REFERENCE 4

AN 137:339311 CA

TI Water-Based Latex Dispersions. 2. Adsorption and Dynamics of Nonionic Surfactants on Colloidal Particles with Different Interfacial Properties

AU Boissier, Catherine; Loefroth, Jan-Erik; Nyden, Magnus

CS Department of Applied Surface Chemistry, Chalmers University of Technology, Goeteborg, S-412 96, Swed.

SO Langmuir (2002), 18(20), 7313-7319

CODEN: LANGD5; ISSN: 0743-7463

PB American Chemical Society

DT Journal

LA English

CC 46-3 (Surface Active Agents and Detergents)

Section cross-reference(s): 66

AB Studies with the proton NMR relaxation technique were carried out on the adsorption on colloidal silica and polystyrene latex dispersions of the nonionic surfactants NP10 and NP100 (poly(ethylene glycol) nonylphenol ether with 10 and 84 oxyethylene groups in mean, resp.) and of poly(ethylene glycol)s (PEGs) of mol. wts. 196 and 4120 g/mol. It was found that the larger PEG on silica displayed similar mol. dynamics as compared to the surfactant with 84 oxyethylene groups (NP100) on silica. This suggested that the same relative amts. of trains and loops were present on the polar surface. On the other hand, the PEG4120 on polystyrene showed a more restricted dynamics than the NP100 surfactant adsorbed on the hydrophobic polystyrene surface. The NP10 experienced a high restriction of its dynamics on polystyrene seen as removal of segmental motions, while the PEG196 had a faster dynamic on this surface. The mobility of PEG196 on silica was even higher. Conclusively, the predominant adsorption mechanism on a hydrophobic surface changed from the thermodynamically more favorable situation with contact between the surfactant nonylphenol group and the particle surface to a less favorable contact when oxyethylene segments of the PEG mols. interacted with surface ionic sites.

ST nonionic surfactant adsorption chain mobility silica polystyrene particle

IT Adsorbed substances

Adsorption

(adsorption and chain dynamics of polyethylene glycol nonylphenyl ether surfactants on colloidal silica or polystyrene particles)

IT Polymer chains

(dynamics; adsorption and chain dynamics of polyethylene glycol nonylphenyl ether surfactants on colloidal silica or polystyrene particles)

IT Surfactants

(nonionic; adsorption and chain dynamics of polyethylene glycol nonylphenyl ether surfactants on colloidal silica or polystyrene particles)

IT 9016-45-9, Berol 09

RL: PEP (Physical, engineering or chemical process); PRP (Properties); PYP (Physical process); PROC (Process)

(adsorption and chain dynamics of polyethylene glycol nonylphenyl ether surfactants on colloidal silica or polystyrene particles)

IT 7631-86-9, Silica, processes 9003-53-6, Polystyrene 9010-88-2, Eudragit NE30D

RL: PEP (Physical, engineering or chemical process); PYP (Physical process); PROC (Process)

(adsorption and chain dynamics of polyethylene glycol nonylphenyl ether

surfactants on colloidal silica or polystyrene particles)

RE.CNT 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS RECORD

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REFERENCE 5

AN 137:329491 CA  
TI Amorphous cefditoren pivoxil composition and process for producing the same  
IN Ohta, Masato  
PA Meiji Seika Kaisha, Ltd., Japan  
SO PCT Int. Appl., 35 pp.  
CODEN: PIXXD2  
DT Patent  
LA Japanese  
IC ICM A61K031-546  
ICS A61K009-16; A61K047-32; A61K047-34; A61K047-36; A61K047-38;  
A61K047-42; A61P031-00; A61P031-04  
CC 63-6 (Pharmaceuticals)  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	WO 2002087588	A1	20021107	WO 2002-JP4278	20020426
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,				
	CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,				
	GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,				
	LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,				
	PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,				
	UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU,				



TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRAI JP 2001-130290 20010426

AB Disclosed are a compn. of an amorphous cefditoren pivoxil excellent in stability and releasability; and a process for producing the amorphous compn. The compn. comprises cefditoren pivoxil and a pharmaceutically acceptable org. polymer, and is characterized by being obtained by pulverizing cryst. cefditoren pivoxil in the presence of a pharmaceutically acceptable org. polymer and making the cefditoren pivoxil amorphous. Cryst. cefditoren pivoxil 0.3 g was pulverized with sodium caseinate 2.7 g to obtain amorphous cefditoren pivoxil compn. The obtained compn. 130 g was mixed with corn starch 260 g to make powders.

ST cefditoren pivoxil amorphous oral org polymer

IT Antibacterial agents

(amorphous cefditoren pivoxil compns. prepd. with org. polymers for oral pharmaceuticals)

IT Caseins, biological studies

Polymers, biological studies

Polyoxyalkylenes, biological studies

RL: PEP (Physical, engineering or chemical process); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)

(amorphous cefditoren pivoxil compns. prepd. with org. polymers for oral pharmaceuticals)

IT Drug delivery systems

(capsules; amorphous cefditoren pivoxil compns. prepd. with org. polymers for oral pharmaceuticals)

IT Drug delivery systems

(granules; amorphous cefditoren pivoxil compns. prepd. with org. polymers for oral pharmaceuticals)

IT Drug delivery systems

(oral; amorphous cefditoren pivoxil compns. prepd. with org. polymers for oral pharmaceuticals)

IT Drug delivery systems

(powders; amorphous cefditoren pivoxil compns. prepd. with org. polymers for oral pharmaceuticals)

IT Caseins, biological studies

RL: PEP (Physical, engineering or chemical process); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)

(sodium complexes; amorphous cefditoren pivoxil compns. prepd. with org. polymers for oral pharmaceuticals)

IT 9000-07-1, Carrageenan 9000-11-7, Carboxymethyl cellulose 9003-39-8, Povidone 9004-34-6, Cellulose, biological studies 9004-64-2, Hydroxypropyl cellulose 9004-65-3, Hydroxypropyl methyl cellulose 9004-67-5, Methyl cellulose 9005-37-2, Propylene glycol alginate 9010-88-2, Ethyl acrylate-methyl methacrylate copolymer 9050-31-1, Hydroxypropyl methyl cellulose phthalate 9057-02-7, Pullulan 25322-68-3, Polyethylene glycol 37205-99-5, Carboxymethyl ethyl cellulose 71138-97-1, Hydroxypropyl methyl cellulose acetate succinate 117467-28-4, Cefditoren pivoxil

RL: PEP (Physical, engineering or chemical process); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)

(amorphous cefditoren pivoxil compns. prepd. with org. polymers for oral pharmaceuticals)

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD

(1) Bristol-Myers Squibb Co; JP 10-265380 A 2000 CAPLUS

(2) Bristol-Myers Squibb Co; US 6136336 A 2000 CAPLUS

(3) Meiji Seika Kaisha Ltd; JP 08-40907 A 1996 CAPLUS

(4) Meiji Seika Kaisha Ltd; US 5595986 A 1996 CAPLUS

- (5) Meiji Seika Kaisha Ltd; EP 695548 A1 1996 CAPLUS
- (6) Meiji Seika Kaisha Ltd; EP 1051978 A1 1999 CAPLUS
- (7) Meiji Seika Kaisha Ltd; WO 9934832 A1 1999 CAPLUS
- (8) Meiji Seika Kaisha Ltd; JP 2001131071 A 2001 CAPLUS

REFERENCE 6

AN 137:329469 CA  
 TI Delivery system for omeprazole and its salts  
 IN Robinson, Joseph R.; McGinity, James W.  
 PA USA  
 SO U.S. Pat. Appl. Publ., 16 pp.  
 CODEN: USXXCO  
 DT Patent  
 LA English  
 IC ICM A61K031-4439  
 ICS A61K009-26; A61K009-14  
 NCL 424469000  
 CC 63-6 (Pharmaceuticals)  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	US 2002160046	A1	20021031	US 2001-991059	20011121
PRAI	US 2000-253828P		20001129		

AB The present invention provides a time-release dosage form for delivering an acid-labile pharmaceutical, such as omeprazole, into the upper portion of the gastrointestinal tract downstream of the stomach. The dosage form includes a drug-contg. core surrounded by an inert time-release coating that delays release of the drug from the core until expiration of a certain time period after administration, generally 0.5-5.0 h or 1-3 h. When the gastrointestinal fluid contacts the core, the drug is released rapidly into the GI tract. The dosage form does not contain an enteric coating. The dosage form can also include one or more addnl. coatings exterior to the time-release coating to provide delivery of an immediately released loading dose of the acid-labile drug or another drug. For example, a solid dosage form having a time-release coating that predominantly erodes during use contains (by wt.) Eudragit NE 30D 15%, talc 28%, magnesium stearate 5%, glycerol monostearate 5%, tri-Et citrate 0.5%, and water to 100%. A dispersion contg. these ingredients was agitated for 24 h and then dild. with addnl. water as needed to provide the desired solids content. The resulting dispersion (or soln.) is then sprayed onto the drug-contg. solid composite, contg. the omeprazole or alk. salt of omeprazole, in either a fluidized bed unit (for pellets or granules) or in a coating pan (for tablets). The inlet temp. was approx. 55.degree. and the outlet temp. was 31.degree.. A spray rate of about 3 g/min for a fluidized bed coating unit or a perforated pan tablet-coating unit was employed.

ST omeprazole solid oral time release delivery system

IT Electrolytes, biological  
 (alk.; solid oral time-release delivery system for omeprazole and its salts)

IT Silicates, biological studies  
 RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (alk.; solid oral time-release delivery system for omeprazole and its salts)

IT Drug delivery systems  
 (beads; solid oral time-release delivery system for omeprazole and its salts)

IT Drug delivery systems  
 (controlled-release; solid oral time-release delivery system for omeprazole and its salts)

IT Drug delivery systems  
 (granules; solid oral time-release delivery system for omeprazole and

its salts)

IT Drug delivery systems  
(microcapsules; solid oral time-release delivery system for omeprazole and its salts)

IT Drug delivery systems  
(microspheres; solid oral time-release delivery system for omeprazole and its salts)

IT Drug delivery systems  
(pellets; solid oral time-release delivery system for omeprazole and its salts)

IT Antioxidants  
(pharmaceutical; solid oral time-release delivery system for omeprazole and its salts)

IT Dissolution rate  
(prepn. and dissoln. of solid oral time-release delivery system for omeprazole and its salts)

IT Buffers  
Preservatives  
(solid oral time-release delivery system for omeprazole and its salts)

IT Acrylic polymers, biological studies  
Amines, biological studies  
Amino acids, biological studies  
Bases, biological studies  
Bentonite, biological studies  
Bicarbonates  
Carbonates, biological studies  
Clays, biological studies  
Kaolin, biological studies  
Phosphates, biological studies  
Polyoxyalkylenes, biological studies  
Polysaccharides, biological studies  
Proteins  
Smectite-group minerals  
Waxes  
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(solid oral time-release delivery system for omeprazole and its salts)

IT Drug delivery systems  
(solids, oral; solid oral time-release delivery system for omeprazole and its salts)

IT Drug delivery systems  
(tablets; solid oral time-release delivery system for omeprazole and its salts)

IT 7631-86-9, Cab-O-Sil M 5P, biological studies  
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(colloidal; solid oral time-release delivery system for omeprazole and its salts)

IT 9004-34-6, Cellulose, biological studies  
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(silicified microcryst.; solid oral time-release delivery system for omeprazole and its salts)

IT 56-41-7, L-Alanine, biological studies 57-55-6, Propylene glycol, biological studies 77-93-0, Triethyl citrate 102-71-6, Triethanolamine, biological studies 109-43-3, Dibutyl sebacate 111-42-2, Diethanolamine, biological studies 141-43-5, Monoethanolamine, biological studies 144-55-8, Sodium bicarbonate, biological studies 497-19-8, Sodium carbonate, biological studies 506-87-6, Ammonium carbonate 557-04-0, Magnesium stearate 1310-58-3, Potassium hydroxide, biological studies 1310-73-2, Sodium hydroxide, biological studies 7558-79-4, Disodium hydrogen phosphate 7664-41-7, Ammonia, biological studies 7758-11-4, Dipotassium hydrogen phosphate 9003-39-8, PVP 9004-57-3, Ethyl cellulose 9004-64-2, Hydroxypropyl cellulose 9004-65-3, HPMC 9005-25-8, Starch, biological studies 9010-88-2, Eudragit NE30D 13840-56-7, Sodium borate 14807-96-6, Talc, biological studies

14987-04-3, Magnesium trisilicate    25322-68-3, Polyethylene oxide  
 31566-31-1, Glycerin monostearate    33434-24-1, Eudragit RS30D    73590-58-  
 6, Omeprazole    74811-65-7, AcDiSol    107950-49-2, Eudragit RL30D  
 RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (solid oral time-release delivery system for omeprazole and its salts)

# REFERENCE 7

AN 137:329362 CA  
 TI Dynamic mechanical thermal analysis studies of polymer films prepared from aqueous dispersion  
 AU Lafferty, S. V.; Newton, J. M.; Podczek, F.  
 CS The School of Pharmacy, University of London, London, WC1N 1AX, UK  
 SO International Journal of Pharmaceutics (2002), 235(1-2), 107-111  
 CODEN: IJPHDE; ISSN: 0378-5173  
 PB Elsevier Science B.V.  
 DT Journal  
 LA English  
 CC 63-6 (Pharmaceuticals)  
 AB Dynamic Mech. Thermal Anal. of cast and sprayed films of an aq. dispersion of polymethyl methacrylate (Eudragit NE30D) and mixts. with an aq. dispersion of ethylcellulose (Aquacoat ECD-30) has been undertaken. Such anal. allows the identification of glass transition temps. and the degree of miscibility of the polymers. It was found that the two polymers formed as cast or sprayed films were not miscible but had an optimal compn. of 30% of the ethylcellulose dispersion in the polymethyl methacrylate dispersion.  
 ST Eudragit Aquacoat dispersion thermal analysis  
 IT Disperse systems  
 Drug delivery systems  
 Glass transition temperature  
 Miscibility  
 Storage modulus  
 Strain  
 (dynamic mech. thermal anal. studies of polymer films prep'd. from aq. dispersion)  
 IT Thermal analysis  
 (thermomech.; dynamic mech. thermal anal. studies of polymer films prep'd. from aq. dispersion)  
 IT 9004-57-3, Aquacoat ECD-30    9010-88-2, Eudragit NE30D  
 RL: PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (dynamic mech. thermal anal. studies of polymer films prep'd. from aq. dispersion)

RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD

- (1) Ferry, J; Viscoelastic Properties of Polymers, 3rd ed 1980
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- (7) Okhamafe, A; J Pharm Sci 1988, V77, P438 CAPLUS
- (8) Sakellariou, P; Int J Pharm 1984, V27, P267
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- (10) Sakellariou, P; Int J Pharm 1986, V31, P175 CAPLUS
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# REFERENCE 8

AN 137:326102 CA  
 TI Polymeric composition containing acrylic polymer melt-rheology modifier for fibers  
 IN Marston, Nicholas J.; Davies, Mark; Oliver, John R.  
 PA Lucite International UK Limited, UK  
 SO PCT Int. Appl., 59 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 IC ICM C08L023-02  
 ICS C08L077-00  
 CC 37-6 (Plastics Manufacture and Processing)  
 Section cross-reference(s): 40  
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002083788	A2	20021024	WO 2002-GB1630	20020411
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW:				
	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
PRAI	GB 2001-9080		20010411		
	GB 2001-25347		20011023		

AB Title compn., exhibiting excellent rheol. properties, comprises a polymer selected from a polyolefin such as polyethylene, a polyamide such as nylon 6, nylon 66 (e.g., Zytel E 50) or mixts. thereof, in admixt. with an acrylic polymer additive (Et acrylate-Me methacrylate copolymer). The extensional viscosity of the compn. is greater than the extensional viscosity of the same compn. not contg. the acrylic polymer additive; or, the shear viscosity of the compn. is greater than the shear viscosity of the same compn. not contg. the acrylic polymer additive; or, both the extensional viscosity and the shear viscosity of the compn. is greater than the extensional viscosity and shear viscosity, resp., of the same compn. not contg. the acrylic polymer additive, when measured at an identical applied specific shear rate in the range of 3000 S-1 to 500 S-1 under substantially the same conditions.

ST polymeric compn acrylic polymer melt rheol modifier fiber; nylon polyethylene fiber acrylic polymer additive

IT Polyolefin fibers  
 RL: PEP (Physical, engineering or chemical process); PRP (Properties); PYP (Physical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)  
 (ethylene; prepn. of polymeric compn. contg. acrylic polymer melt-rheol. modifier for fibers)

IT Polyamides, properties  
 RL: PEP (Physical, engineering or chemical process); POF (Polymer in formulation); PRP (Properties); PYP (Physical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)  
 (fibers, Zytel E 50; prepn. of polymeric compn. contg. acrylic polymer melt-rheol. modifier for fibers)

IT Polyamides, uses  
 RL: PEP (Physical, engineering or chemical process); POF (Polymer in formulation); PYP (Physical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)  
 (fibers; prepn. of polymeric compn. contg. acrylic polymer melt-rheol. modifier for fibers)

IT Rheology

(melt, modifier; prepn. of polymeric compn. contg. acrylic polymer melt-rheol. modifier for fibers)

IT Polyamides, properties  
Polyolefins  
RL: PEP (Physical, engineering or chemical process); POF (Polymer in formulation); PRP (Properties); PYP (Physical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)  
(prepn. of polymeric compn. contg. acrylic polymer melt-rheol. modifier for fibers)

IT Polyamide fibers, uses  
Polyolefin fibers  
RL: PEP (Physical, engineering or chemical process); PYP (Physical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)  
(prepn. of polymeric compn. contg. acrylic polymer melt-rheol. modifier for fibers)

IT 32131-17-2, Polyamide 66, properties  
RL: PEP (Physical, engineering or chemical process); POF (Polymer in formulation); PRP (Properties); PYP (Physical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)  
(fibers, Zytel E 50; prepn. of polymeric compn. contg. acrylic polymer melt-rheol. modifier for fibers)

IT 9002-88-4, Polyethylene  
RL: PEP (Physical, engineering or chemical process); POF (Polymer in formulation); PRP (Properties); PYP (Physical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)  
(fibers; prepn. of polymeric compn. contg. acrylic polymer melt-rheol. modifier for fibers)

IT 25038-54-4, Nylon 6, uses  
RL: PEP (Physical, engineering or chemical process); POF (Polymer in formulation); PYP (Physical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)  
(fibers; prepn. of polymeric compn. contg. acrylic polymer melt-rheol. modifier for fibers)

IT 9010-88-2P, Ethyl acrylate-methyl methacrylate copolymer 25852-37-3P, n-Butyl acrylate-methyl methacrylate copolymer 26470-41-7P, Ethyl acrylate-methyl methacrylate-stearyl methacrylate copolymer  
RL: IMF (Industrial manufacture); MOA (Modifier or additive use); PRP (Properties); PREP (Preparation); USES (Uses)  
(melt-rheol. modifier; prepn. of polymeric compn. contg. acrylic polymer melt-rheol. modifier for fibers)

# REFERENCE 9

AN 137:326101 CA  
TI Polymeric composition containing acrylic polymer melt-rheology modifier for fibers  
IN Marston, Nicholas John; Davies, Mark; Oliver, John Robert  
PA Lucite International UK Limited, UK  
SO PCT Int. Appl., 70 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
IC ICM C08L023-02  
ICS C08L077-00; C08L023-02; C08L033-12; C08L077-00; C08L033-12  
CC 37-6 (Plastics Manufacture and Processing)  
Section cross-reference(s): 40

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002083787	A2	20021024	WO 2002-GB1628	20020411
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,			

GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,  
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,  
PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,  
UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU,  
TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,  
CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,  
BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRAI GB 2001-9080 20010411

GB 2001-25347 20011023

- AB Title compn., exhibiting excellent rheol. properties, comprises a polymer selected from a polyolefin such as polypropylene, a polyamide such as nylon 6, and nylon 66 (e.g., Zytel E50), or mixt. thereof, in admixt. with an acrylic polymer additive (e.g., Me methacrylate-Et acrylate copolymer). The shear viscosity of the compn. is less than the shear viscosity of the same compn. not contg. the acrylic polymer, or the extensional viscosity of the compn. is less than the extensional viscosity of the same compn. not contg. the acrylic polymer additive; or, both of the shear viscosity and extensional viscosity of the compn. is less than the shear viscosity and extensional viscosity of the same compn. not contg. the acrylic polymer additive, when measured at an identical applied specific shear rate in the range of 5000 s<sup>-1</sup> to 500 s<sup>-1</sup> under substantially the same conditions. The compn. is useful for prodn. of fibers via high speed spinning process.
- ST polymeric compn acrylic polymer melt rheol modifier; polypropylene nylon fiber methacrylate ethyl acrylate copolymer additive
- IT Polyamides, properties  
RL: PEP (Physical, engineering or chemical process); POF (Polymer in formulation); PRP (Properties); PYP (Physical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)  
(Zytel E 50, fibers; prepn. of polymeric compn. contg. acrylic polymer melt-rheol. modifier for fibers)
- IT Polyamides, uses  
RL: PEP (Physical, engineering or chemical process); POF (Polymer in formulation); PYP (Physical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)  
(fibers; prepn. of polymeric compn. contg. acrylic polymer melt-rheol. modifier for fibers)
- IT Rheology  
(melt, modifier; prepn. of polymeric compn. contg. acrylic polymer melt-rheol. modifier for fibers)
- IT Acrylic polymers, uses  
RL: MOA (Modifier or additive use); USES (Uses)  
(prepn. of polymeric compn. contg. acrylic polymer melt-rheol. modifier for fibers)
- IT Polyamides, properties  
Polyolefins  
RL: PEP (Physical, engineering or chemical process); POF (Polymer in formulation); PRP (Properties); PYP (Physical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)  
(prepn. of polymeric compn. contg. acrylic polymer melt-rheol. modifier for fibers)
- IT Polyamide fibers, properties  
Polyolefin fibers  
Polypropene fibers, properties  
RL: PEP (Physical, engineering or chemical process); PRP (Properties); PYP (Physical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)  
(prepn. of polymeric compn. contg. acrylic polymer melt-rheol. modifier for fibers)
- IT 32131-17-2, Nylon 6,6, properties  
RL: PEP (Physical, engineering or chemical process); POF (Polymer in formulation); PRP (Properties); PYP (Physical process); TEM (Technical or

- engineered material use); PROC (Process); USES (Uses)  
 (Zytel E 50, fibers; prepn. of polymeric compn. contg. acrylic polymer melt-rheol. modifier for fibers)
- IT 25085-53-4, Isotactic Polypropylene  
 RL: PEP (Physical, engineering or chemical process); POF (Polymer in formulation); PRP (Properties); PYP (Physical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)  
 (fibers; prepn. of polymeric compn. contg. acrylic polymer melt-rheol. modifier for fibers)
- IT 25038-54-4, Nylon 6, uses  
 RL: PEP (Physical, engineering or chemical process); POF (Polymer in formulation); PYP (Physical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)  
 (fibers; prepn. of polymeric compn. contg. acrylic polymer melt-rheol. modifier for fibers)
- IT 9010-88-2P, Methyl methacrylate-ethyl acrylate copolymer 25852-37-3P, Methyl methacrylate-n-butyl acrylate copolymer 26470-41-7P, Methyl methacrylate-ethyl acrylate-stearyl methacrylate copolymer  
 RL: IMF (Industrial manufacture); MOA (Modifier or additive use); PRP (Properties); PREP (Preparation); USES (Uses)  
 (melt-rheol. modifier; prepn. of polymeric compn. contg. acrylic polymer melt-rheol. modifier for fibers)

#### REFERENCE 10

- AN 137:316967 CA  
 TI Characterization and application of two kinds of ESR dosimeters  
 AU Marchioni, Eric; Pabst, Jean-Yves; Kuntz, Florent  
 CS Faculte de Pharmacie, Universite Louis Pasteur, Illkirch, 67400, Fr.  
 SO Radiation Physics and Chemistry (2002), 65(2), 187-191  
 CODEN: RPCHDM; ISSN: 0969-806X  
 PB Elsevier Science Ltd.  
 DT Journal  
 LA English  
 CC 71-7 (Nuclear Technology)  
 Section cross-reference(s): 8
- AB Many previous papers described the use of low-concn. alanine pellets, powder or films for industrial high-dose application, but very few authors presented applications of such dosimeters to the low-dose range used for wastewater, flowers or radiotherapy treatment. The present paper describes the large-scale manufg. process of high-concn. alanine pellets used for radiotherapy dose control in some French hospitals. The fading process due to sunlight exposure was evaluated by direct UV light irradiation. The major disadvantage of alanine is its strong soly. in H<sub>2</sub>O (the pellets are completely dissolved when immersed for 10 min in pure H<sub>2</sub>O). The use of Ba sulfate, not sol. in H<sub>2</sub>O, made it possible to carry out dosimetric measurements even when the dosimeter is completely immersed in H<sub>2</sub>O or stored after irradiation in high humidity levels. The paper presents manufg. process of Ba sulfate pellets, their dosimetric characteristics and one application of this dosimeter for the control of the absorbed doses during wastewater treatments.
- ST dosimeter radiotherapy alanine soly  
 IT ESR (electron spin resonance)  
 (characterization and application of ESR dosimeters)
- IT Radiotherapy  
 (characterization and application of ESR dosimeters in)
- IT Solubility  
 (effect on alanine dosimeters)
- IT Lubricants  
 (in prepn. of alanine pellets for dosimetry)
- IT Wastewater treatment  
 (use of alanine pellets in)
- IT Pellets



(use of alanine pellets in radiotherapy)

IT 9010-88-2  
 RL: MOA (Modifier or additive use); USES (Uses)  
 (in prepn. of alanine pellets for dosimetry)

IT 7727-43-7  
 RL: NUU (Other use, unclassified); PRP (Properties); USES (Uses)  
 (in prepn. of alanine pellets for dosimetry)

IT 56-41-7, L-Alanine, uses  
 RL: NUU (Other use, unclassified); PRP (Properties); USES (Uses)  
 (use of alanine pellets in dosimetry)

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD

- (1) Cance, M; LMRI 3eme Congres National de Metrologie 1987, Note technique LMRI/87/192/Octobre
- (2) Janovsky, I; Progress in alanine film/ESR dosimetry high dose dosimetry for radiation processing 1991, IAEA-SM-314/47, P173
- (3) Kuntz, F; Appl Radiat Isot 1996, V47(11/12), P1183 CAPLUS
- (4) Kuntz, F; These de l'Universite Louis Pasteur de Strasbourg 1991
- (5) Olsen, K; Phys Med Biol 1990, V35, P43 CAPLUS
- (6) Panta, P; Appl Radiat Isot 1989, V40, P971 CAPLUS
- (7) Razzak, M; Radiat Phys Chem 1995, V46, P1263 CAPLUS
- (8) Regulla, D; Int J Appl Radiat Isot 1982, V33, P1101 CAPLUS
- (9) Van Laere, K; Appl Radiat Isot 1993, V44(1/2), P33

=> s 9010-88-2/rn  
 L6 1 9010-88-2/RN

=> d L6

L6 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS

RN **9010-88-2** REGISTRY

CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with ethyl 2-propenoate (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 2-Propenoic acid, ethyl ester, polymer with methyl 2-methyl-2-propenoate (9CI)

CN Acrylic acid ethyl ester, polymer with methyl methacrylate (8CI)

CN Methacrylic acid methyl ester, polymer with ethyl acrylate (8CI)

OTHER NAMES:

CN 2817D

CN Acryloid B 44S

CN Acryloid B 72

CN Acryloid B 82

CN Acryloid K 120N

CN Acryloid K 120NL

CN Acryloid K 147

CN Altuglas 9E

CN Altulite 2773

CN Cevian A 45000

CN CP 41

CN CP 41 (acrylate polymer)

CN Daitosol 5000AD

CN Diakon APA 1

CN Diakon MG 102

CN Dianal BR 64

CN Elvacite EX 2612

CN Ethyl acrylate-methyl methacrylate copolymer

CN Ethyl acrylate-methyl methacrylate polymer

CN Eudragit E 30D

CN Eudragit NE 30D

CN Flexbond 984

CN K 120N

CN K 147

CN Kollicoat EMM 30D  
 CN Lucite 30  
 CN Methyl methacrylate-ethyl acrylate copolymer  
 CN Methyl methacrylate-ethyl acrylate polymer  
 CN MG 102  
 CN NeoCryl BT 20  
 CN New Coat PV 400  
 CN New Coat PV 412  
 CN Oroglas V 825T  
 CN PA 20  
 CN PA 20 (acrylic polymer)  
 CN Paraloid B 44S  
 CN Paraloid B 72  
 CN Paraloid B 82  
 CN Paraloid K 120N  
 CN Paraloid K 120NL  
 CN Plexiglas VS 100  
 CN Plexigum MB 319  
 CN Preparation 2817D  
 CN Primal AC 22  
 CN Primal AC 33  
 CN Primal B 52  
 CN Rhoplex AC 22

ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for  
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DR 9011-72-7, 9046-85-9, 9048-98-0, 53986-74-6, 54018-07-4, 54183-02-7,  
 55719-51-2, 60318-38-9, 62534-36-5, 63251-48-9, 97794-17-7, 98036-92-1,  
 99550-83-1, 51109-48-9, 51311-84-3, 51801-09-3, 52019-30-4, 136303-31-6,  
 37199-58-9, 72394-19-5, 72626-02-9, 85897-95-6, 30174-68-6, 39301-09-2,  
 39390-68-6, 107950-48-1, 211629-39-9

MF (C5 H8 O2 . C5 H8 O2)x

CI PMS, COM

PCT Polyacrylic

LC STN Files: BIOBUSINESS, BIOSIS, CA, CAPLUS, CHEMCATS, CHEMLIST, CIN,  
 CSCHEM, DDFU, DRUGU, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MSDS-OHS,  
 PIRA, PROMT, TOXCENTER, USPAT2, USPATFULL

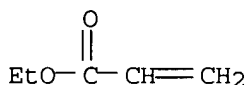
Other Sources: DSL\*\*, TSCA\*\*

(\*\*Enter CHEMLIST File for up-to-date regulatory information)

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CRN 140-88-5

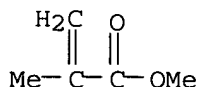
CMF C5 H8 O2



CM 2

CRN 80-62-6

CMF C5 H8 O2



54 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
2085 REFERENCES IN FILE CAPLUS (1962 TO DATE)

=> e isododecane

E1	6	ISODODECANAMINE/BI
E2	2	ISODODECANAMINIUM/BI
E3	9 -->	ISODODECANE/BI
E4	1	ISODODECANEDI/BI
E5	1	ISODODECANEDIONE/BI
E6	2	ISODODECANESULFONIC/BI
E7	2	ISODODECANO/BI
E8	2	ISODODECANOATE/BI
E9	15	ISODODECANOIC/BI
E10	9	ISODODECANOL/BI
E11	1	ISODODECANOLATO/BI
E12	1	ISODODECANONE/BI

=> d e3

'E3' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual fields or predefined formats. The predefined substance formats are: (RN = CAS Registry Number)

REG	- RN
SAM	- Index Name, MF, and structure - no RN
FIDE	- All substance data, except sequence data
IDE	- FIDE, but only 50 names
SQIDE	- IDE, plus sequence data
SQIDE3	- Same as SQIDE, but 3-letter amino acid codes are used
SQD	- Protein sequence data, includes RN
SQD3	- Same as SQD, but 3-letter amino acid codes are used
SQN	- Protein sequence name information, includes RN
CALC	- Table of calculated properties
EPROP	- Table of experimental properties
PROP	- EPROP and CALC

Any CA File format may be combined with any substance format to obtain CA references citing the substance. The substance formats must be cited first. The CA File predefined formats are:

ABS	-- Abstract
APPS	-- Application and Priority Information
BIB	-- CA Accession Number, plus Bibliographic Data
CAN	-- CA Accession Number
CBIB	-- CA Accession Number, plus Bibliographic Data (compressed)
IND	-- Index Data
IPC	-- International Patent Classification
PATS	-- PI, SO
STD	-- BIB, IPC, and NCL
IABS	--ABS, indented, with text labels
IBIB	-- BIB, indented, with text labels
ISTD	-- STD format, indented
OBIB	----- AN, plus Bibliographic Data (original)
OIBIB	----- OBIB, indented with text labels
SBIB	----- BIB, no citations

SIBIB ----- IBIB, no citations

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.

The MAX format is the same as ALL.

The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

For additional information, please consult the following help messages:

HELP DFIELDS -- To see a complete list of individual display fields.

HELP FORMATS -- To see detailed descriptions of the predefined formats.

ENTER DISPLAY FORMAT (IDE):ide

L6 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS

RN 9010-88-2 REGISTRY

CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with ethyl 2-propenoate (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 2-Propenoic acid, ethyl ester, polymer with methyl 2-methyl-2-propenoate (9CI)

CN Acrylic acid ethyl ester, polymer with methyl methacrylate (8CI)

CN Methacrylic acid methyl ester, polymer with ethyl acrylate (8CI)

OTHER NAMES:

CN 2817D

CN Acryloid B 44S

CN Acryloid B 72

CN Acryloid B 82

CN Acryloid K 120N

CN Acryloid K 120NL

CN Acryloid K 147

CN Altuglas 9E

CN Altulite 2773

CN Cevian A 45000

CN CP 41

CN CP 41 (acrylate polymer)

CN Daitosol 5000AD

CN Diakon APA 1

CN Diakon MG 102

CN Dianal BR 64

CN Elvacite EX 2612

CN Ethyl acrylate-methyl methacrylate copolymer

CN Ethyl acrylate-methyl methacrylate polymer

CN Eudragit E 30D

CN Eudragit NE 30D

CN Flexbond 984

CN K 120N

CN K 147

CN Kollicoat EMM 30D

CN Lucite 30

CN Methyl methacrylate-ethyl acrylate copolymer

CN Methyl methacrylate-ethyl acrylate polymer

CN MG 102

CN NeoCryl BT 20

CN New Coat PV 400

CN New Coat PV 412

CN Oroglas V 825T

CN PA 20

CN PA 20 (acrylic polymer)

CN Paraloid B 44S

CN Paraloid B 72

CN Paraloid B 82

CN Paraloid K 120N  
 CN Paraloid K 120NL  
 CN Plexiglas VS 100  
 CN Plexigum MB 319  
 CN Preparation 2817D  
 CN Primal AC 22  
 CN Primal AC 33  
 CN Primal B 52  
 CN Rhoplex AC 22

ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for  
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 99550-83-1, 51109-48-9, 51311-84-3, 51801-09-3, 52019-30-4, 136303-31-6,  
 37199-58-9, 72394-19-5, 72626-02-9, 85897-95-6, 30174-68-6, 39301-09-2,  
 39390-68-6, 107950-48-1, 211629-39-9

MF (C5 H8 O2 . C5 H8 O2)x

CI PMS, COM

PCT Polyacrylic

LC STN Files: BIOBUSINESS, BIOSIS, CA, CAPLUS, CHEMCATS, CHEMLIST, CIN,  
 CSCHEM, DDFU, DRUGU, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MSDS-OHS,  
 PIRA, PROMT, TOXCENTER, USPAT2, USPATFULL

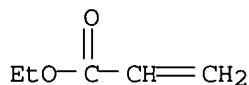
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(\*\*Enter CHEMLIST File for up-to-date regulatory information)

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CRN 140-88-5

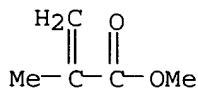
CMF C5 H8 O2



CM 2

CRN 80-62-6

CMF C5 H8 O2



2084 REFERENCES IN FILE CA (1962 TO DATE)

54 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

2085 REFERENCES IN FILE CAPLUS (1962 TO DATE)

=> s isododecane

L7 9 ISODODECANE

=> d L7 1 sam

L7 ANSWER 1 OF 9 REGISTRY COPYRIGHT 2002 ACS

IN **Isododecane, monoepoxy deriv. (9CI)**

MF C12 H24 O

CI IDS

(C<sub>11</sub>H<sub>23</sub>) - CH<sub>3</sub>

D1-O-D1

=> d L7 1-9 rn

L7 ANSWER 1 OF 9 REGISTRY COPYRIGHT 2002 ACS  
RN 461676-47-1 REGISTRY

L7 ANSWER 2 OF 9 REGISTRY COPYRIGHT 2002 ACS  
RN 290341-69-4 REGISTRY

L7 ANSWER 3 OF 9 REGISTRY COPYRIGHT 2002 ACS  
RN 174545-40-5 REGISTRY

L7 ANSWER 4 OF 9 REGISTRY COPYRIGHT 2002 ACS  
RN 146324-06-3 REGISTRY

L7 ANSWER 5 OF 9 REGISTRY COPYRIGHT 2002 ACS  
RN 135944-87-5 REGISTRY

L7 ANSWER 6 OF 9 REGISTRY COPYRIGHT 2002 ACS  
RN 129308-52-7 REGISTRY

L7 ANSWER 7 OF 9 REGISTRY COPYRIGHT 2002 ACS  
RN 111459-83-7 REGISTRY

L7 ANSWER 8 OF 9 REGISTRY COPYRIGHT 2002 ACS  
RN 31807-55-3 REGISTRY

L7 ANSWER 9 OF 9 REGISTRY COPYRIGHT 2002 ACS  
RN 27215-00-5 REGISTRY

=> d L7 2-9

L7 ANSWER 2 OF 9 REGISTRY COPYRIGHT 2002 ACS  
RN 290341-69-4 REGISTRY  
CN **Isododecane, polymer with ethene (9CI)** (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN **Ethene, polymer with isododecane (9CI)**  
MF (C<sub>12</sub> H<sub>26</sub> . C<sub>2</sub> H<sub>4</sub>)<sub>x</sub>  
CI PMS  
PCT Polyolefin, Polyother  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL

CM 1

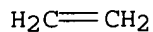
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CMF C<sub>12</sub> H<sub>26</sub>  
CCI IDS

(iso-C<sub>11</sub>H<sub>23</sub>) - CH<sub>3</sub>

CM 2

CRN 74-85-1

CMF C2 H4



1 REFERENCES IN FILE CA (1962 TO DATE)

1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L7 ANSWER 3 OF 9 REGISTRY COPYRIGHT 2002 ACS

RN 174545-40-5 REGISTRY

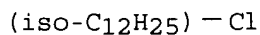
CN **Isododecane, chloro- (9CI)** (CA INDEX NAME)

MF C12 H25 Cl

CI IDS

SR CA

LC STN Files: CA, CAPLUS, USPATFULL



1 REFERENCES IN FILE CA (1962 TO DATE)

1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L7 ANSWER 4 OF 9 REGISTRY COPYRIGHT 2002 ACS

RN 146324-06-3 REGISTRY

CN **Isododecane, oxybis- (9CI)** (CA INDEX NAME)

OTHER NAMES:

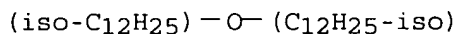
CN Diisododecyl ether

MF C24 H50 O

CI IDS

SR CA

LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1962 TO DATE)

1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L7 ANSWER 5 OF 9 REGISTRY COPYRIGHT 2002 ACS

RN 135944-87-5 REGISTRY

CN **Isododecanesulfonic acid, sodium salt (9CI)** (CA INDEX NAME)

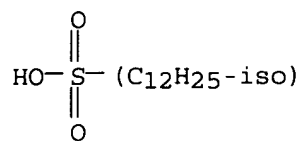
MF C12 H26 O3 S . Na

CI IDS

SR CA

LC STN Files: CA, CAPLUS

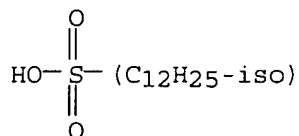
CRN (129308-52-7)



● Na

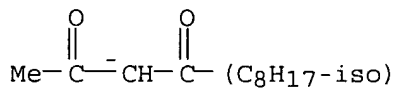
1 REFERENCES IN FILE CA (1962 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L7 ANSWER 6 OF 9 REGISTRY COPYRIGHT 2002 ACS  
RN 129308-52-7 REGISTRY  
CN **Isododecanesulfonic acid (9CI)** (CA INDEX NAME)  
MF C12 H26 O3 S  
CI IDS, COM  
SR CA  
LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1962 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L7 ANSWER 7 OF 9 REGISTRY COPYRIGHT 2002 ACS  
RN 111459-83-7 REGISTRY  
CN **2,4-Isododecanedione, ion(1-), calcium (9CI)** (CA INDEX NAME)  
MF C12 H21 O2 . 1/2 Ca  
CI IDS  
SR CA  
LC STN Files: CA, CAPLUS



● 1/2 Ca<sup>2+</sup>

1 REFERENCES IN FILE CA (1962 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L7 ANSWER 8 OF 9 REGISTRY COPYRIGHT 2002 ACS  
RN 31807-55-3 REGISTRY  
CN **Isododecane (8CI, 9CI)** (CA INDEX NAME)  
OTHER NAMES:  
CN Hyfrane 120  
CN Permethyl 99A  
DR 97659-99-9  
MF C12 H26  
CI IDS, COM



LC STN Files: ANABSTR, CA, CAPLUS, CASREACT, CBNB, CHEMLIST, CIN, CSCHEM,  
CSNB, IFICDB, IFIPAT, IFIUDB, NAPRALERT, PDLCOM\*, PIRA, PROMT,  
TOXCENTER, USPAT2, USPATFULL  
(\*File contains numerically searchable property data)  
Other Sources: EINECS\*\*, NDSL\*\*, TSCA\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)

(iso-C<sub>11</sub>H<sub>23</sub>) - CH<sub>3</sub>

252 REFERENCES IN FILE CA (1962 TO DATE)  
252 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L7 ANSWER 9 OF 9 REGISTRY COPYRIGHT 2002 ACS  
RN 27215-00-5 REGISTRY  
CN **Isododecane, isocyanato- (9CI)** (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Isocyanic acid, isododecyl ester (8CI)  
MF C13 H25 N O  
CI IDS  
LC STN Files: CA, CAPLUS, IFICDB, IFIPAT, IFIUDB

(iso-C<sub>12</sub>H<sub>25</sub>) - N=C=O

2 REFERENCES IN FILE CA (1962 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1962 TO DATE)

=> s 97659-99-9/rn  
L8 1 97659-99-9/RN

=> d L8

L8 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS  
RN 31807-55-3 REGISTRY  
CN **Isododecane (8CI, 9CI)** (CA INDEX NAME)  
OTHER NAMES:  
CN Hyfrane 120  
CN Permethyl 99A  
DR **97659-99-9**  
MF C12 H26  
CI IDS, COM  
LC STN Files: ANABSTR, CA, CAPLUS, CASREACT, CBNB, CHEMLIST, CIN, CSCHEM,  
CSNB, IFICDB, IFIPAT, IFIUDB, NAPRALERT, PDLCOM\*, PIRA, PROMT,  
TOXCENTER, USPAT2, USPATFULL  
(\*File contains numerically searchable property data)  
Other Sources: EINECS\*\*, NDSL\*\*, TSCA\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)

(iso-C<sub>11</sub>H<sub>23</sub>) - CH<sub>3</sub>

252 REFERENCES IN FILE CA (1962 TO DATE)  
252 REFERENCES IN FILE CAPLUS (1962 TO DATE)

=> file caplus  
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION

FULL ESTIMATED COST	67.90	68.11
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-0.59	-0.59

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FILE COVERS 1907 - 11 Dec 2002 VOL 137 ISS 24  
 FILE LAST UPDATED: 10 Dec 2002 (20021210/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

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=> s l8
L9          252 L8

=> s l6
L10         2322 L6

=> s L9 and L10
L11         0 L9 AND L10

=> s L10 and emulsifier
          27928 EMULSIFIER
          17022 EMULSIFIERS
          35672 EMULSIFIER
          (EMULSIFIER OR EMULSIFIERS)
L12        101 L10 AND EMULSIFIER

=> s L10 and dimethicone
          1581 DIMETHICONE
           14 DIMETHICONES
          1583 DIMETHICONE
          (DIMETHICONE OR DIMETHICONES)
L13         3 L10 AND DIMETHICONE

=> d L13 1-3 ibib,ab,kwic
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L13 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 2001:464208 CAPLUS  
 DOCUMENT NUMBER: 135:66227  
 TITLE: Sustained-release film-coated solid oral compositions  
 INVENTOR(S): Kou, Jim H.

PATENT ASSIGNEE(S): Schering Corp., USA  
 SOURCE: Jpn. Kokai Tokkyo Koho, 23 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001172174	A2	20010626	JP 2000-387828	20001220
WO 2001045668	A2	20010628	WO 2000-US34412	20001219
WO 2001045668	A3	20011213		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, HR, HU, ID, IL, IN, IS, JP, KG, KR, KZ, LC, LK, LR, LT, LU, LV, MA, MD, MG, MK, MN, MX, MZ, NO, NZ, PL, PT, RO, RU, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
NO 2000006504	A	20010621	NO 2000-6504	20001220
CN 1301534	A	20010704	CN 2000-137300	20001220
EP 1112738	A2	20010704	EP 2000-311445	20001220
EP 1112738	A3	20010718		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
BR 2000006403	A	20010717	BR 2000-6403	20001220

PRIORITY APPLN. INFO.: US 1999-172836P P 19991220

AB The invention relates to a sustained-release film-coated solid oral compn. consisting of a core contg. pseudoephedrine or its salt, and a film coating contg. desloratadine, wherein the compn. contains sufficient amt. of pseudoephedrine to provide a Cmax of pseudoephedrine at 7.6-8.4 h after administration of 345-365 ng/mL, and sufficient amt. of desloratadine to provide a Cmax of desloratadine at 4-4.5 h after administration of 2.1-2.45 ng/mL. A film coated tablet consisting of a core contg. pseudoephedrine sulfate 240, hydroxypropyl Me cellulose 320, Et cellulose 80, dibasic calcium phosphate dihydrate 108, povidone 40, silica 8, magnesium stearate 4 mg, a 1st film coating coating contg. **dimethicone** 0.22, polyethylene glycol 0.27, talc 2.72, ethylacrylate-methylmethacrylate copolymer 2.72 mg, a 2nd film coating contg. desloratadine 5, **dimethicone** 0.28, polyethylene glycol 1.83, talc 7, ethylacrylate-methylmethacrylate copolymer 6.09, and a 3rd film coating contg. hydroxypropyl Me cellulose 2.09, talc 5.79, ethylacrylate-Me methacrylate copolymer 4.18, polyethylene glycol 0.42, **dimethicone** 0.11, spectra spray med blue dye 3.65 mg was prepd.

AB The invention relates to a sustained-release film-coated solid oral compn. consisting of a core contg. pseudoephedrine or its salt, and a film coating contg. desloratadine, wherein the compn. contains sufficient amt. of pseudoephedrine to provide a Cmax of pseudoephedrine at 7.6-8.4 h after administration of 345-365 ng/mL, and sufficient amt. of desloratadine to provide a Cmax of desloratadine at 4-4.5 h after administration of 2.1-2.45 ng/mL. A film coated tablet consisting of a core contg. pseudoephedrine sulfate 240, hydroxypropyl Me cellulose 320, Et cellulose 80, dibasic calcium phosphate dihydrate 108, povidone 40, silica 8, magnesium stearate 4 mg, a 1st film coating coating contg. **dimethicone** 0.22, polyethylene glycol 0.27, talc 2.72, ethylacrylate-methylmethacrylate copolymer 2.72 mg, a 2nd film coating contg. desloratadine 5, **dimethicone** 0.28, polyethylene glycol 1.83, talc 7, ethylacrylate-methylmethacrylate copolymer 6.09, and a 3rd film coating contg. hydroxypropyl Me cellulose 2.09, talc 5.79, ethylacrylate-Me methacrylate copolymer 4.18, polyethylene glycol 0.42,

**dimethicone** 0.11, spectra spray med blue dye 3.65 mg was prepd.  
 IT 471-34-1, Calcium carbonate, biological studies 546-93-0, Magnesium carbonate 557-04-0, Magnesium stearate 1335-30-4, Silicic acid, aluminum salt 1343-88-0, Magnesium silicate 1344-95-2, Calcium silicate 7440-21-3, Silicon, biological studies 7460-12-0, Pseudoephedrine sulfate 7487-88-9, Magnesium sulfate, biological studies 7631-86-9, Silica, biological studies 7778-18-9, Calcium sulfate 7784-30-7, Phosphoric acid, Aluminum salt 7789-77-7, Dibasic Calcium phosphate dihydrate 9003-39-8, Povidone 9004-32-4, Carboxymethyl cellulose sodium 9004-57-3, Ethyl cellulose 9004-65-3, Hydroxypropyl methyl cellulose 9006-65-9, **Dimethicone 9010-88-2**, Ethylacrylate-methylmethacrylate copolymer 9032-42-2, Hydroxyethyl methyl cellulose 10043-01-3, Aluminum sulfate 10043-83-1, Magnesium phosphate 14455-29-9, Aluminum carbonate 14807-96-6, Talc, biological studies 25322-68-3, Polyethylene glycol 117810-61-4  
 RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (sustained-release film-coated solid oral compns. contg. pseudoephedrine and desloratadine and excipients)

L13 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:369673 CAPLUS  
 DOCUMENT NUMBER: 134:357397  
 TITLE: Rubbing-type skin cleansers containing volatile oils  
 INVENTOR(S): Mizuguchi, Eiji; Uenoyama, Haruhisa  
 PATENT ASSIGNEE(S): Pola Chemical Industries, Inc., Japan; Kyowa Kogyo Co., Ltd.  
 SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	JP 2001139426	A2	20010522	JP 1999-324307	19991115
AB	The skin cleansers, for removal of unnecessary skin components such as sebum, horny layers, and keratotic plugs, contain volatile oils and adhesives which ppt. adhesive solids upon volatilization of the oils. A compn. contg. Daitosol 5000AD (adhesive polymer emulsion, solids content 50%) 30, EtOH 30, <b>dimethicone</b> 5, and H2O 35 wt. parts showed good skin-cleansing effect.				
AB	The skin cleansers, for removal of unnecessary skin components such as sebum, horny layers, and keratotic plugs, contain volatile oils and adhesives which ppt. adhesive solids upon volatilization of the oils. A compn. contg. Daitosol 5000AD (adhesive polymer emulsion, solids content 50%) 30, EtOH 30, <b>dimethicone</b> 5, and H2O 35 wt. parts showed good skin-cleansing effect.				
ST	rubbing skin cleanser adhesive polymer oil; <b>dimethicone</b> adhesive polymer skin cleanser				
IT	541-02-6, Decamethylcyclopentasiloxane 9006-65-9, <b>Dimethicone 9010-88-2</b> RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses) (rubbing-type skin cleansers contg. volatile oils and adhesive components)				

L13 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:10585 CAPLUS  
 DOCUMENT NUMBER: 134:76117  
 TITLE: Mascaras comprising film-forming polymers  
 INVENTOR(S): Bodelin, Sophie  
 PATENT ASSIGNEE(S): L'oreal, Fr.

SOURCE: Eur. Pat. Appl., 29 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: French  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1064919	A1	20010103	EP 2000-401662	20000613
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
FR 2795635	A1	20010105	FR 1999-8412	19990630
CA 2340079	AA	20010111	CA 2000-2340079	20000620
WO 2001001935	A1	20010111	WO 2000-FR1697	20000620
W: BR, CA, CN, KR, MX				
BR 2000006902	A	20010612	BR 2000-6902	20000620
JP 2001055310	A2	20010227	JP 2000-196939	20000629
PRIORITY APPLN. INFO.:			FR 1999-8412	A 19990630
			WO 2000-FR1697	W 20000620

AB Mascaras comprising cationic and anionic polymers and a dispersion of nonionic film-forming polymers, e.g. C1-6 alkyl acrylate polymers are disclosed. A mascara contained carnauba wax 7, bees wax 8, rice ban wax 7, candelilla wax 2.5, 2-amino-2-methylpropane-1,3-diol 0.2, triethanolamine 2.4, stearic acid 5.4, hydrosol. nonionic polymer 1.72, Et acrylate-Me methacrylate copolymer 0.75, **dimethicone** copolyol 0.2, sodium polymethacrylate 0.25, JR-400 0.1, pigments 6, preservatives and water q.s. 100 g.

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

AB Mascaras comprising cationic and anionic polymers and a dispersion of nonionic film-forming polymers, e.g. C1-6 alkyl acrylate polymers are disclosed. A mascara contained carnauba wax 7, bees wax 8, rice ban wax 7, candelilla wax 2.5, 2-amino-2-methylpropane-1,3-diol 0.2, triethanolamine 2.4, stearic acid 5.4, hydrosol. nonionic polymer 1.72, Et acrylate-Me methacrylate copolymer 0.75, **dimethicone** copolyol 0.2, sodium polymethacrylate 0.25, JR-400 0.1, pigments 6, preservatives and water q.s. 100 g.

IT 9003-01-4, Acrylic acid homopolymer 9003-05-8, Polyacrylamide 9003-06-9, Acrylic acid acrylamide copolymer 9003-16-1, Polyfumamic acid 9003-39-8, Polyvinylpyrrolidone 9004-34-6D, Cellulose, ethers, quaternary salts, biological studies **9010-88-2**, Ethyl acrylate methyl methacrylate copolymer 9011-16-9, Methyl vinyl ether maleic anhydride copolymer 24937-72-2, Polymaleic anhydride 25014-12-4, Polymethacrylamide 25086-15-1, Methacrylic acid methyl methacrylate copolymer 25087-26-7, Polymethacrylic acid 25119-64-6, Polyitaconic acid 25212-88-8, Methacrylic acid ethyl acrylate copolymer 25609-89-6, Crotonic acid vinyl acetate copolymer 26062-56-6, Acrylic acid ethyl acrylate N-tert-butylacrylamide copolymer 26099-09-2, Polymaleic acid 29297-55-0, Vinylimidazole vinyl pyrrolidone copolymer 54193-36-1, Sodium polymethacrylate 81859-24-7, JR 400 83120-95-0 183151-35-1 185458-93-9

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
 (mascaras comprising film-forming polymers)

=> d his

(FILE 'HOME' ENTERED AT 16:54:22 ON 11 DEC 2002)

FILE 'REGISTRY' ENTERED AT 16:54:38 ON 11 DEC 2002

L1 411 S RHOPLEX